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Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Martin D. Moynihan".

Martin D. Moynihan

Registration No. 40,338

Dated: June 11, 2006



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	11/154,805
Filing Date	October 17, 2001
First Named Inventor	Oron JACOBY-ZEEVI
Art Unit	1636
Examiner Name	unknown
Attorney Docket Number	29714

Sheet 1 of 19

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Country Code* Number* Kind Code* (if known)				
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Examiner Signature				Date Considered		

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Sheet	3	Of	19		
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/851,135
				Filing Date	05/24/2004
				First Named Inventor	Pecker
				Group Art Unit	1623
				Examiner Name	
Sheet	1	Of	1	Attorney Docket Number	2797()
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
		Fairbanks et al, "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme is a Heterodimer", <i>J. Biol. Chem.</i> , vol. 274, No. 42, pp. 29587-29590, 15 Oct. 1999.			
		Hulett et al, "Cloning of Mammalian Heparanase, an Important Enzyme in Tumor Invasion and Metastasis", <i>Nature Medicine</i> , 5(7):803-809, 1999			
		Toyoshima et al, "Human Heparanase: Purification, Characterization, Cloning, and Expression", <i>J. of Biolog. Chemistry</i> , vol. 274, No. 34, pp. 24153-24160, 20 Aug. 1999.			
		Miao et al, "Cloning, Expression, and Purification of Mouse Heparanase", <i>Protein Expression and Purification</i> , 26:425-431, 2002			
		Freeman et al, "Human Platelet Heparanase: Purification, Characterization and Catalytic Activity", <i>Biochem J.</i> , 330(3): 1341-1350, 1998.			
Examiner Signature				Date Considered	

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/785,116
				Filing Date	February 25, 2004
				First Named Inventor	PECKER Iris et al
				Art Unit	1652
				Examiner Name	
Sheet		of		Attorney Docket Number	27674
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,362,641	08-8-1994	Fuks et al.	
	2	US-5,399,351	03-21-1995	Leshchiner et al	
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	4	US-5,667,501	09-16-1997	Fowler et al.	
	5	US-5,739,115	04-14-1998	Fugedi et al	
	6	US-6,177,545	01-13-2001	Pecker et al.	
	7	US-6,348,344	02-19-2002	Ayal-Herskovitz et al.	
	8	US-4,946,778	08-8-1990	Ladner et al.	
	9	US-5,997,863	07-7-1999	Zimmermann et al.	
	10	US-6,242,238	05-5-2001	Freeman et al.	
	11	US-5,688,679	11-18-1997	Powell	
	12	US-6,387,643	05-14-2002	Heinrikson et al.	
	13	US-6,423,312	07-23-2002	Yacoby-Zeevi	
	14	US-6,531,129	01-1-2003	Pecker et al.	
	15	US-4,455,296	06-19-1984	Hansen et al.	
	16	US-5,571,506	05-5-1996	Regan et al.	
	17	US-5,917,830	06-29-1999	Chen et al.	
	18	US-5,859,660	01-12-1999	Perkins et al.	
	19	US-5,600,366	04-4-1997	Schulman	
	20	US-6,020,931	01-1-2000	Bilbrey et al.	
	21	US-5,968,822	10-19-1999	Pecker et al.	
	22	US-6,153,187	11-28-2000	Yacoby-Zeevi	
	23	US-6,664,105	12-16-2003	Pecker et al.	
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	26	US-5,194,596	03-16-1993	Tischer et al.	
	27	US-5,350,836	09-27-1994	Kopchick et al.	
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	30	US-5,580,862	03-3-1996	Rosen et al.	
	31	US-5,474,983	12-12-1995	Kuna et al.	
	32	US-2002/0102560	01-1-2002	Pecker et al.	
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	39	US-4,859,581	08-22-1989	Nicholson et al.	
	40	US-4,882,318	11-21-1989	Vlodavsky et al.	
	41	US-5,129,877	07-14-1992	Gallo et al.	
	42	US-5,206,223	04-27-1993	Vlodavsky et al	
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			Filing Date	February 25, 2004
			First Named Inventor	PECKER Iris et al
			Group Art Unit	1652
			Examiner Name	
Sheet		Of	Attorney Docket Number	27674
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	44	Hulett et al. "Cloning of Mammalian Heparanase, An Important Enzyme in Tumor Invasion and Metastasis", Nature Medicine, 5(7): 803-809, 1999.		
	45	Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression", J. of Biolog. Chemistry, 274(34): 24153-24160, 1999.		
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		Vlodavsky et al. "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", Nature Medicine, 5(7): 793-802, 1999.			
		Chang et al. "Differential Ability Of Heparan Sulfate Proteoglycans To Assemble The Fibroblast Growth Factor Receptor Complex In situ", FASEB Journal, 14: 137-144, 2000.			
		Ishai-Michaeli et al. "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor From the Vascular Endothelium and ExtraCellular Matrix", Biochemistry, 31(7): 2080-2088, 1992. Abstract			
		Gitay-Goren et al. "The Binding of Vascular Endothelial Growth Factor to Its Receptors Is Dependent on Cell Surface-Associated Heparin-Like Molecules", Journal of Biological Chemistry, 267(9): 6093-6098, 1992.			
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/781,758
				Filing Date	January 14, 2003
				First Named Inventor	ILAN Neta et al
				Art Unit	
				Examiner Name	
Sheet	1	of	18	Attorney Docket Number	27525
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,177,545	01-13-2001	Pecker et al.	
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	4	US-5,997,863	07-7-1999	Zimmermann et al.	
	5	US-6,242,238	05-5-2001	Freeman et al	
	6	US-5,688,679	11-18-1997	Powell	
	7	US-6,387,643	05-14-2002	Heinrikson et al.	
	8	US-6,423,312	07-23-2002	Yacoby-Zeevi	
	9	US-6,531,129	01-1-2003	Pecker et al.	
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	12	US-5,917,830	06-29-1999	Chen et al.	
	13	US-5,859,660	01-12-1999	Perkins et al.	
	14	US-5,600,366	04-4-1997	Schulman	
	15	US-6,020,931	01-1-2000	Bilbrey et al.	
	16	US-5,968,822	10-19-1999	Pecker et al.	
	17	US-6,153,187	11-28-2000	Yacoby-Zeevi	
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	23	US-6,562,950	05-13-2003	Peretz et al.	
	24	US-6,699,672	02-2-2004	Pecker et al.	
	25	US-5,580,862	03-3-1996	Rosen et al.	
	26	US-5,474,983	12-12-1995	Kuna et al.	
	27	US-2002/0102560	01-1-2002	Pecker et al.	
	28	US-4,859,581	01-1-1989	Nicholson et al.	
	29	US-4,882,318	01-1-1989	Vlodavsky et al.	
	30	US-5,129,877	01-1-1992	Gallo et al.	
	31	US-5,206,223	04-27-1993	Vlodavsky et al	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Documents Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	38	PCT WO 99/57244	11-11-1999	Ben-Artzi et al.	

	40	PCT WO 99/11798	03-11-1999	Pecker et al.		
	41	PCT WO 88/01280	01-1-1988	Nicolson et al.		
	42	PCT WO 95/04158	09-9-1995	Hoogewerf et al.		
	43	PCT WO 99/21975	06-6-1999	Freeman et al.		
	44	PCT WO 91/19197	12-12-1991	Nicolson et al.		
	45	PCT WO 95/04518	02-16-1995	Midha et al.		
	46	PCT WO 03/006645 A2	01-23-2003	Bohlen et al.		
	47	PCT WO 97/11684	04-4-1997	Bennett et al.		
	48	PCT WO 91/02977	07-7-1991	Fuks et al.		
	49	PCT WO 97/27327	07-31-1997	Van Ness et al.		
	50	PCT WO 00/52149	08-8-2000	Yacobi-Zeevi		
	51	PCT WO 00/52178	08-8-2000	Pecker et al.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/722,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	1	of	11	Attorney Docket Number	26872
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number-Kind Code‡ of the Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Substitute for form 1449A/PTO				Complete if Known		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
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Examiner Signature				Date Considered		

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		Application Number	10/7: 2,502		
		Filing Date	August 22, 2003		
		First Named Inventor	YACOBY-ZEEVI Oron et al		
		Art Unit	1644		
Examiner Name					
Sheet	3	of	11	Attorney Docket Number	2687
	599	Anatolii "Hyaluronic Capsule as one of the Factors of Hemolytic Streptococcus Pathogenicity", Chem. Abstracts 86(17): 339, Abstr. 118714 citing Zh. Mikrobiol. Epidemiol. Immunobiol. 2: 22-27, 1977.			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/7: 2,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	4	of	11	Attorney Docket Number	2687
	76	Brenner "Errors in Genome Annotation". Trends in Genetics. 15(4): 132-133, 1999.			
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				Application Number	10/7: 2,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	5	of	11	Attorney Docket Number	26872
	94	Ejima et al. "Induction of Apoptosis in Placentas of Pregnant Mice Exposed to Lipopolysaccharides: Possible Involvement of Fas/Fas Ligand System", Biology of Reproduction 62: 178-185, 2000. Abstract.			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/712,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
				Examiner Name	
Sheet	6	of	11	Attorney Docket Number	26872
	113	Haimov-Kochman et al. "Localization of Heparanase in Normal and Pathological Human Placenta". Molecular Human Reproduction 8(6): 566-573, 2002.			
	114	Harlow et al. "Antibodies" A Laboratory Manual, eds. Harlow et al.: 471-50.			
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				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
Examiner Name					
Sheet	7	of	11	Attorney Docket Number	26872
	131	Jorba et al. ["Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars"] (author's translation). Rev. Esp. Fisiol. 36(2): 155-161, 1980. Abstract.			
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				Application Number	10/722,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	164
				Examiner Name	
Sheet	8	of	11	Attorney Docket Number	2682
	150	Le Fur et al. "Selective Increase in Specific Alternative Splice Variants of Tyrosinase in Murine Melanomas: A Projected Basis for Immunotherapy", Proc. natl. Acad. Sci., 94: 5332-5337, 1997.			
	151	Lederman et al. "A Single amino Acid Substitution in a common African allele of the CD4 Molecule Ablates Binding of the Monoclonal antibody, OKT4", Molecular Immunology 28: 1171-1181, 1991)			
	152	Li et al. "Immunochemical Localization of Heparanase in Mouse and Human Melanomas", Int. J. Cancer 45: 1088-1095, 1990.			
	153	Li et al. "β-Endorphin Omission Analogs: Dissociation of Immunoreactivity from other Biological Activities", PNAS 77: 3211-3214, 1980)			
	154	Lider et al. "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals With Low Doses of Heparin". J. Clin. Invest., 83: 752-756, 1989.			
	155	Linhardt et al. "Polysaccharide Lyases", Applied Biochemistry and Biotechnology 12: 135-176, 1986.			
	156	Liu et al. "Live Offspring by In Vitro Fertilization of Oocytes from Cryopreserved Primordial Mouse Follicles after Sequential In Vivo Transplantation and In Vitro Maturation", Biology of Reproduction 64: 171-178, 2001, Abstract.			
	157	Loredo et al. "Regulation of Glycosaminoglycan Metabolism by Bone Morphogenetic Protein-2 in Equine Cartilage Explant Cultures", Am. J. Vet. Res. 57(4): 554-559, 1996.			
	158	Luft "Making sense out of Antisense Oligodeoxynucleotide Delivery: Getting there is Half the Fun", J. Mol. Med. 75-76, 1998.			
	159	Macone et al. "Mucoid Escherichia coli in Cystic Fibrosis", The New England Journal of Medicine 304(24): 1445-1449, June 11, 1981, Abstract.			
	160	Marchetti et al. "Neurotrophin Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", Cancer Research, 56: 2856-2863, 1996. also in: Advances in Enzyme Regulation, 37: 111-134, 1997.			
	161	Marty et al. "Influence of Nutrient Media on the Chemical Composition of the Exopolysaccharide from Mucoid and non-Mucoid Pseudomonas Aeruginosa", FEMS Microbiol. Letters, 77(1-3): 35-44, Nov. 1992, Abstract.			
	162	Massague "The TGF-β Family of Growth and Differentiation Factors", Cell, 49: 437-438, 1987.			
	163	Menezo et al. "Mouse and Bovine Models for Human IVF", Reproductive BioMedicine Online 2002 4(2): 170-175, 2002, Abstract.			
	164	Miao et al. "Cloning, Expression and Purification of Mouse Heparanase", Protein Expression and Purification, 26: 425-431, 2002.			
	165	Mollinedo et al. "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", Biochem J., 327: 917-923, 1997.			
	166	Motokuni et al. "In Vivo Transfer Efficiency of Antisense Oligonucleotides into the Myocardium Using HVJ-Liposome Method", Biochemical and Biophysical Research Communications 231: 540-545, 1997.			
Examiner Signature				Date Considered	

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/722,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	164
				Examiner Name	
Sheet	9	of	11	Attorney Docket Number	268' 2
	167	Muir et al. "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone in vivo", Blood 88(4): 1314-1320, August 15, 1996. [Abstract]			
	168	Mullings et al. "New Reducing Sugar Assay for the Study of Cellulases", Enzyme Microb. Technol., 6:491-496, 1984.			
	169	Nakajima et al. "Heparanases and Tumor Metastasis", J. Cell Biochemistry, 66(2): 157-167, 1988.			
	170	Naparstek et al. "Activated T Lymphocytes Produce a Matrix-Degrading Heparan Sulphate Endoglycosidase", Nature, 310(5974): 241-244, 1984. Abstract.			
	171	Newbold et al. "Exposure to Diethylstilbestrol During Pregnancy Permanently Alters the Ovary and Oviduct", Biology of Reproduction 28: 735-744, 1983. Abstract.			
	172	Ofek et al. "Bacterial Adhesion to Cells and Tissues", Chapman and Hall, New York, 1994, pp. 114-118, 148-153, 418-423, 420-423.			
	173	Oldberg et al. "Characterization of a Platelet Endoglycosidase Degrading Heparin-Like Polysaccharides", Biochemistry 19: 5755-5762, 1980.			
	174	Parish et al. "Evidence That Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor-Cell-Derived Heparanases", Int. J. Cancer, 40: 511-517, 1987.			
	175	Pasquier et al. "Implication of Neutral Polysaccharides Associated to Alginate in Inhibition of Murine Macrophage Response to Pseudomonas Aeruginosa", FEMS Microbiol. Lett. 147(2): 195-202, Feb. 1997. Abstract.			
	176	Pfaff et al. "Cryobiology of Rat Embryos I: Determination of Zygote Membrane Permeability Coefficients for Water and Cryoprotectants. Their Activation Energies, and the Development of Improved Cryopreservation Methods", Biology of Reproduction 63: 1294-1302, 2000. Abstract.			
	177	Pilbeam et al. "Comparison of the Effects of Various Lengths of Synthetic Human Parathyroid Hormone-Related Peptide (hPTHrP) of Malignancy on Bone Resorption and Formation in Organ Culture", Bone, 14: 717-720, 1993.			
	178	Pahalada et al. "Diethylstilbestrol-Induced Cervical and Vaginal Adenosis Using the Neonatal Mouse Model", Biology of Reproduction 38: 935-943, 1988. Abstract.			
	179	Prockop "Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", Science 276: 71-74, 1997.			
	180	Rahmoune et al. "Chondroitin Sulfate in Sputum From Patients With Cystic Fibrosis and Chronic Bronchitis", Am. J. Resp. Cell & Mol. Biol., 5(4): 315-320, 1991. Abstract.			
	181	Rajur et al. "Covalent Protein-Oligonucleotide Conjugates for Efficient Delivery of Antisense Molecules", Bioconjugate Chem., 8, 935-940, 1997.			
	182	Ramos et al. "Relationship Between Glycolysis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", Appl. Environ. Microbiol. 67(1): 33-41, 2001. [Abstract]			
	182	Reddi "Role of Morphogenetic Proteins in Skeletal Tissue Engineering and Regeneration", Nature Biotechnology 16: 247-252, 1998.			
	184	Richardson et al. "Regulation of Basic Fibroblast Growth Factor Binding and Activity by Cell Density and Heparan Sulfate", J. Biological Chemistry, 274 (19): 13534-13540, 1990.			
Examiner Signature				Date Considered	

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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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				Application Number	10/7: 2,502
				Filing Date	August 22, 2003
				First Named Inventor	YACOBY-ZEEVI Oron et al
				Art Unit	1644
Examiner Name					
Sheet	10	of	11	Attorney Docket Number	2687
	185	Sasisekharan et al. "Heparinase Inhibits Neovascularization". Proc. Natl. Acad. Sci., 91:1524-1528, 1994.			
	186	Selvan et al. "Heparan Sulfate in Immune Responses". An. NY Acad. Sci., 797: 127-139, 1996.			
	187	Service "Tissue Engineers Build New Bone". Science 289: 1498-1500, 2001.			
	188	Shastri "Gene Disruption in Mice: Models of Development and Disease". Molecular and Cellular Biochemistry, 181: 163-179, 1998.			
	189	Shekhar et al. "Correlation of Differences in Modulation of ras Expression with Metastatic Competence of Mouse Mammary Tumour Subpopulations". Invasion Metastasis, 14: 27-37, 1994/5.			
	190	Shimazu et al. "Syndecan-3 and the Control of Chondrocyte Proliferation During Endochondral Ossification". Exp. Cell. Res. 229(1): 126-136, 1996. Abstract.			
	191	Skolnick et al. "From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era". Trends in Biotech., 18: 34-39, 2000.			
	192	Smith et al. "The Challenges of Genome Sequence Annotation or "The Devil is in the Details"". Nature Biotechnol., 15: 1222-1223, 1997.			
	193	Sutherland "Structure-Function Relationships in Microbial Exopolysaccharides". Biotech. Adv. 12: 393-448, 1994.			
	194	Szczylik et al. "Selective Inhibition of Leukemia Cell Proliferation by BCR ABL Antisense Oligodeoxynucleotides". Science 253: 562-565, 1991. Abstract.			
	195	Tang et al. "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in a Neonatal Mouse Model of Infection". Infect. Immun. 64(1): 37-43, 1996. Abstract.			
	196	Tatnell et al. "Characterisation of Alginates from Mucoid Strains of Pseudomonas Aeruginosa". Biochemical Society Transactions 24: 404S, 1996.			
	197	Tatnell et al. "Chemical Analysis of Alginates from Mucoid Strains of Pseudomonas Aeruginosa". Biochemical Society Transactions 22: 310S, 1994.			
	198	Tatnell et al. "Colonisation of Cystic Fibrosis Patients by non-Mucoid Pseudomonas Aeruginosa - Characterisation of the Alginate from Mucoid Variants". Biochemical Society Transactions 24: 406S, 1996.			
	199	Thuong et al. "Sequence-Specific Recognition and Modification of Double-Helical DNA by Oligonucleotides". Angew. Chem. Int. Ed. Engl. 32: 666-690, 1993.			
	200	Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression". J. of Biolog. Chemistry, 274(34): 24153-24160, 1999.			
	201	Uno et al. "Antisense-Mediated Suppression of Human Heparanase Gene Expression Inhibits Pleural Dissemination of Human Cancer Cells", Cancer Research 61 (21), 7855-7860, 2001.			
	202	Vlodavsky et al. "Inhibition of Tumor Metastasis Inhibiting Species of Heparin", Inv. Metast., 14(1-6): 290-302, 1994/95.			
	203	Vlodavsky et al. "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", Nature Medicine, 5(7): 793-802, 1999.			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/712,502		
		Filing Date	August 22, 2003		
		First Named Inventor	YACOBY-ZEEVI Oron et al		
		Art Unit	164		
		Examiner Name			
Sheet	11	of	11	Attorney Docket Number	26872
	204	Vogel et al. "Production of Proteoglycans by Human Lung Fibroblasts (IMR-90) maintained in a Low Concentration of Serum". Biochem J. 207(3): 369-379. Abstract.			
	205	Vukicevic et al. "Induction of Nephrogenic Mesenchyme by Osteogenic Protein 1 (Bone Morphogenetic Protein 7)". Proc. Natl. Acad. Scie., 93: 9021-9026, 1996.			
	206	Walch et al. "Correlation of Overexpression of the Low-Affinity p75 Neurotrophin Receptor with Augmented Invasion and Heparanase Production in Human Malignant Melanoma Cells". Int. J. Cancer 82: 112-120, 1999.			
	207	Walton et al. "Prediction of Antisense Oligonucleotide Binding Affinity to a Structured RNA Target". Biotechnology and Bioengineering, 65(1): 1-9, 1999.			
	208	Wang "Basic Fibroblast Growth Factor for Stimulation of Bone Formation in Osteoinductive or Conductive Implants". Acta Orthop Scand Suppl. 269: 1-33, 1006 (abstract)			
	209	Webster et al. "FGFR Activation in Skeletal Disorders: Too Much of a Good Thing", TIG 13(5): 178-182, May 1997.			
	210	Welch et al. "Complex Saccharide Metabolism in Cystic Fibrosis Fibroblasts". Pediatr. Research, 9(9): 698-702, 1975.			
	211	Weller "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions". Pediatric Pulmonology 24: 143-146, 1997.			
	212	Wessels et al. "Effects on Virulence of Mutations in a Locus Essential for Hyaluronic Acid Capsule Expression in Group A Streptococci". Infect. Immun. 62(2) 433-441, 1994. [Abstract]			
	213	Whitelock et al. "The Degradation of Human Endothelial Cell-Derived Perlecan and Release of Bound Basic Fibroblast Growth Factor by Stromelysin, Collagenase, Plasmin, and Heparanases". Journal of Biological Chemistry, 271(17):10079-10086, 1996.			
	214	Yagel et al. "Normal Nonmetastatic Human Trophoblast Cells Share in vitro Invasive Properties of Malignant Cells". J. Cellular Physiology 136: 455-462, 1988.			
	215	Yazaki et al. "The Structure and Expression of the FGF Receptor-1 mRNA Isoforms in Rat Tissues". Biochimica et Biophysica Acta, 1172: 37-42, 1993.			
	216	Ye et al. "Targeted Gene Correction: A New Strategy for Molecular Medicine". Molecular Medicine Today: 431-437, 1998.			
	217	Yesildaglar et al. "The Mouse as a Model to Study Adhesion Formation Following Endoscopic Surgery: A Preliminary Report", Human Reproduction 14(1): 55-59, 1999. Abstract.			
	218	Zhou et al. "A 182 bp Fragment of the Mouse pro α 1(1) Collagen Gene is Sufficient to Direct Chondrocyte Expression in Transgenic Mice", J. Cell Science 108: 3677-3684, 1995.			
	219	Zhou et al. "HFE Gene Knockout Produces Mouse Model of Hereditary Hemochromatosis", PNAS 95(5): 2492-2497, 1998.			
Signature		Considered			

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/456,573
Filing Date	06/09/2003
First Named Inventor	Iris PECKER
Group Art Unit	1646
Examiner Name	
Attorney Docket Number	25677

Sheet	2	Of	2
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Vlodavsky et al, "Inhibition of tumor metastasis by heparanase inhibiting species of heparin", <i>Invasion Metastasis</i> . 1994-95;14 (1-6):290-302 (abstract)	
		Parish et al, "Evidence that sulphated poly: accharides inhibit tumour metastasis by blocking tumour-cell-derived heparanases". <i>Int J Cancer</i> . 1987 Oct 15;40(4):511-8.	
		Lider et al, "Suppression of experimental autoimmune diseases and prolongation of allograft survival by treatment of animals with low doses of heparins". <i>J Clin Invest</i> . 1989 Mar;83(3):752-6.	
		Gewirtz et al, "Nucleic acid therapeutics: state of the art and future prospects", <i>Blood</i> . 1998 Aug 1;92(3):712-36.	
		Hida et al, "Antisense E1AF transfection restrains oral cancer invasion by reducing matrix metalloproteinase activities", <i>Am J Pathol</i> . 1997 Jun;150(6):2125-32 (abstract)	
		Thuong et al, "Sequence-specific recognition and modification of double-helical DNA by oligonucleotides", <i>Angew. Chem. Int. Ed. Engl.</i> , 32:666-690, 1993	
		Cohen, JS, "Oligonucleotide therapeutics". <i>Trends Biotechnol.</i> , 10(3):87-91, 1992 (abstract)	
		Szczylik et al, "Selective inhibition of leukemia cell proliferation by BCR-ABL antisense oligodeoxynucleotides", <i>Science</i> . 1991 Aug 2;253(5019):562-5. (abstract)	
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		Burch et al, "Oligonucleotides antisense to the interleukin 1 receptor mRNA block the effects of interleukin 1 in cultured murine and human fibroblasts and in mice", <i>J Clin Invest</i> . 88(4):1190-1196, 1991 (abstract)	
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		Uno et al. "Antisense-mediated suppression of human heparanase gene expression inhibits pleural dissemination of human cancer cells". <i>Cancer Res</i> . 2001 Nov 1;61(21):7855-60.	
Examiner Signature		Date Considered	

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Application Number	10/371,218
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Filing Date	02/24/2003
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First Named Inventor	Zcharia
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Group Art Unit	1652
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Examiner Name

Attorney Docket Number	25783
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Of

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiners Initials	Cite No. ¹	Foreign Patent Documents			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	99/57244		Ben-Artzi et al	11-11-1999		
		WO	99/57153		Pecker et al	11-11-1999		
		WO	99/11798		Pecker et al	03-11-1999		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/371,218
Filing Date	02/24/2003
First Named Inventor	Zcharia
Group Art Unit	1652
Examiner Name	
Attorney Docket Number	25783

Sheet	1	Of	2
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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Vlodavsky et al, "Mammalian Heparanase Gene Cloning, Expression and Function in Tumor Progression and Metastasis", <i>Nature Medicine</i> , 5(7):793-802, 1999	
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Examiner Signature			Date Considered

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/341,582
		Filing Date	01/14/2003
		First Named Inventor	Ilan et al
		Group Art Unit	1652
		Examiner Name	
Sheet	2	Of	4
		Attorney Docket Number	25449
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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		Richardson et al, "Regulation of Basic Fibroblast Growth factor Binding and Activity by Cell Density and Heparan Sulfate", <i>J. Biological Chemistry</i> , 274(19):13534-13540	
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Examiner Signature	Signature of Examiner Sasisekharan et al		Date 10/90. p. 3660-3664 Considered April 93

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		First Named Inventor	Ilan et al
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Sheet	3	Of	4
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		Kussie et al, "Cloning and Functional Expression of a Human Heparanase Gene", <i>Biochem. And Biophysical Res. Comm.</i> , 261:183-187, 1999	
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			Filing Date	01/14/2003	
			First Named Inventor	Ilan et al	
			Group Art Unit	1652	
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Sheet	4	Of	4	Attorney Docket Number	25449
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		Carpentier et al, "DNA Vaccination with HuD Inhibits Growth of a Neuroblastoma in Mice", <i>Clinical Cancer Research</i> , 4:2819-2824, 1998			
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Application Number	10/163,993
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Filing Date	June 7, 2002
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First Named Inventor	Yacobi-Zeevi
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Group Art Unit	1652
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Examiner Name	
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Attorney Docket Number	02/23884
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Sheet

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First Named Inventor	Yacobi-Zeevi
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Sheet 2 of 6

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Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s) publisher, city and/or country where published.	T ²
	AD	"The Merck Manual", R. Berkow, M.D. Ed-in-Chief, Merck Research Laboratories. 1997, pp 201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 601.	
	AE	Konstan et al, "Patterns of Medical Practice in Cystic Fibrosis: Part III. Use of Therapies", <i>Pediatr Pulmonol</i> , 1999, Oct; 28(4):248-54 (Abstract)	
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	AK	Vlodavsky et al, "Expression Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 1992; 12(2):112-127 (Abstract)	
	AL	Naparstek et al, "Activated T Lymphocytes Produce a Matrix-Degrading Heparan Sulphate Endoglycosidase", <i>Nature</i> , 1984 July 19-25; 310(5974):241-244 (Abstract)	
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	AN	Tang et al, "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in a Neonatal Mouse Model of Infection", <i>Infect Immun</i> , 1996 Jan; 64(1):37-43 (Abstract)	
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	AP	Selvan et al, "Heparan Sulfate in Immune Responses", <i>Annals New York Academy of Sciences</i> , 797:127-139, 1996	

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	AQ	Weller, Peter H., "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", <i>Pediatric Pulmonology</i> , 24:143-146, 1997	
	AR	Konstan, Michael W., "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997	
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	AT	Marty et al, "Influence of Nutrient Media on the Chemical Composition of Exopolysaccharide from Mucoid and Non-Mucoid Pseudomonas Aeruginosa", <i>FEMS Microbiol Lett</i> , 1992 Nov 1; 77(1-3):35-44 (Abstract)	
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	AV	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From a Virulent Strain of Pseudomonas Solanacearum and for Three Avirulent Mutants", <i>J Bacteriol</i> , 1985 May; 162(2):504-509 (Abstract)	
	AW	Jorba et al, "Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars (author's transl), <i>Rev Esp Fisiol</i> , 1980 Jun; 36(2):155-161 (Abstract)	
	AX	Ramos et al, "Relationship Between Glycosis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", <i>Appl Environ Microbiol</i> , 2001 Jan; 67(1):33-41 (Abstract)	
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Examiner Signature	Date Considered
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/163,993
Filing Date	June 7, 2002
First Named Inventor	Yacoby-Zeevi
Group Art Unit	1652
Examiner Name	
Attorney Docket Number	02/23884

Sheet 4 of 5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BD	Beuth et al, "Lectin-Mediated Bacterial Adhesion To Human Tissue", <i>Eur J Clin Microbiol</i> , 1987 Oct;6(5):591-3. (Abstract)	
	BE	Allison et al, "Polysaccharide Production in <i>Pseudomonas Cepacia</i> ", <i>J Basic Microbiol</i> , 1994; 34(1):3-10 (Abstract)	
	BF	Albus et al, "Staphylococcus Aureus Capsular Types And Antibody Response To Lung Infection In Patients With Cystic Fibrosis", <i>J Clin Microbiol</i> . 1988 Dec; 26(12):2505-9. (Abstract)	
	BG	Maccone et al, "Mucoïd <i>Escherichia Coli</i> In Cystic Fibrosis", <i>N Engl J Med</i> . 1981 Jun 11;304(24):1445-9. (Abstract)	
	BH	Golberg et al, "An Improved Method For Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Connective Tissue Research</i> , 24:265-275, 1990	
	BI	Farnside et al, "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", <i>Connective Tissue Research</i> , 9:247-248, 1982	
	BJ	Sutherland, Ian W., "Structure-Function Relationships in Microbial Exopolysaccharides", <i>Biotech Adv.</i> , 12:393-448, 1994	
	BK	Tatnell et al, "Characterisation of Alginates from Mucoïd Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 24:404S, 1996	
	BL	Tatnell et al, "Chemical Analysis of Alginates from Mucoïd Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 22:310S, 1994	
	BM	Tatnell et al, "Colonisation of Cystic Fibrosis Patients by Non-Mucoïd <i>Pseudomonas Aeruginosa</i> – Characterisation of the Alginate from Mucoïd Variants", <i>Biochem. Soc. Trans.</i> , 24:406S, 1996	
	BN	P. Ducey et al., "The Osteoblast: A Sophisticated Fibroblast under Central Surveillance", <i>Science</i> , Vol. 289, September 1, 2000, pp. 1501 – 1504	
	BO	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide from a Virulent Strain of <i>Pseudomonas Solanacearum</i> and from Three Avirulent Mutants", <i>J Bacteriology</i> , May, 1985, pp 504-509	
	BP	Maccone et al, "Mucoïd <i>Escherichia Coli</i> in Cystic Fibrosis", <i>New England J Medicine</i> , 304(24):14445-1449	
	BQ	Ofeek et al, "Bacterial Adhesion to Cells and Tissue", Chapman & Hall, N.Y., Pub. 1994, pp 114-118, 148-153, 418-418, 420-423	

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		Application Number	10/163,993		
		Filing Date	June 7, 2002		
		First Named Inventor	Yacoby-Zeevi		
		Group Art Unit	1552		
		Examiner Name			
Sheet	5	of	6	Attorney Docket Number	G2/23884

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
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	BR	Reddi, A. Hari, "Role of Morphogenetic Proteins in Skeletal Tissue Engineering and Regeneration", <i>Nature Biotechnology</i> , Vol. 16, March 1998, pp. 247 – 252	
✓	BS	L.A. Dempsey et al., "Heparanase, A Potential Regulator of Cell-Matrix Interactions", <i>Trends in Biochem Sci</i> , 25:349-351, 2000	
	BT	Elkin et al., "Heparanase as Mediator of Angiogenesis,: mode of action", <i>The FASEB Journal</i> , 15: 1661-1663, 2001	
	BU	Elkin et al., "Heparanase as Mediator of Angiogenesis,: mode of action", <i>The FASEB Journal</i> . Published online May 29, 2001	
	BV	E. Finkel, "Potential Target Found for Antimetastasis Drugs", <i>Science</i> , Vol., 285, July 2, 1999, pp. 33 – 34	
✓	BW	I. Vlodavsky, et al., "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", <i>Nature Medicine</i> , Vol. 5, No. 7, July 1999, pp. 793 – 802	
	BX	Webster et al., FGFR Activation in Skeletal Disorders: too much of a good thing, <i>TIG</i> , May 1997, Vol. 13, No. 5, pp. 178 – 182	
✓	BY	Prockop, D.J., "Marow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", <i>Science</i> , Vol. 276, 4 April 1997, pp. 71 – 74	
	BZ	Shimazu, et al., "Syndecan-3 and the control of chondrocyte proliferation during endochondral ossification", <i>Exp. Cell. Res.</i> 1996 Nov. 25:229:1, pp. 126 – 136 (Abstract)	
	CA	F. Blanquaert et al., "CMDDBS, functional analogs of sulfate heparanes, used as osseous cicatrizing agents", <i>Ann. Endocrinol (Paris)</i> 1994 55:2 pp. 121 – 123 Abstract	
	CB	F. Blanquaert et al., "Heparan-like molecules induce the repair of skull defects", <i>Bone</i> 1995, December 17:6 pp. 499 – 506 (Abstract)	
	CC	Muir et al., "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone <i>in vivo</i> ", <i>Food</i> , August 15, 1996:88(4):1314 – 1320 (Abstract)	

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		Application Number	10/163,993		
		Filing Date	June 7, 2002		
		First Named Inventor	Yacoby-Zeevi		
		Group Art Unit	1652		
Examiner Name					
Sheet	6	of	6	Attorney Docket Number	62/23884

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	CD	Hoffman et al, "Human Bone Morphogenic Protein 2 Contains a Heparin-Binding Site Which Modifies its Biological Activity", <i>Eur. J. Biochem.</i> , 237(1):295-302, 1996 (Abstract)
	CE	Imai et al, "Osteoblast Recruitment and Bone Formation Enhanced by Cell Matrix-Associated Heparin-Binding Growth-Associated Molecule (HB-GAM)", <i>J Cell Biol.</i> , 143(4):1113-1128, 1998 (Abstract)
	CF	Loredo et al, "Regulation of Glycosaminoglycan Metabolism by Bone Morphogenetic Protein-2 in Equine Cartilage Explant Cultures", <i>Am J Vet Res.</i> , 57(4):554-559, 1996
	CG	Kiberstis et al, "Bone Health in the Balance", <i>Science</i> , 289:1497, 2000
	CH	Service, R.F., "Tissue Engineers Build New Bone", <i>Science</i> , 289:1498-1500, 2000

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/988,113
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Filing Date	March 1, 1999
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First Named Inventor	Pecker et al
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Group Art Unit	1652
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Examiner Name	Hutson, Richard G.
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Attorney Docket Number	01/22781
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Sheet

1

of

2

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		Office ³	Number ²	Kind Code ³ (if known)				
		WO	95/04158		Hoogwerf et al	02-09-1995		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/988,113
		Filing Date	March 1, 1999
		First Named Inventor	Pecker et al
		Group Art Unit	1652
		Examiner Name	Hutson, Richard G.
		Attorney Docket Number	01/22781
Sheet	2	of	3
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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		Ernst et al, "Enzymatic Degradation of Glycosaminoglycans", <i>Critical Rev. in Biochemistry and Mol. Biology</i> , 30(5):38-444, 1995	
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		Marchetti et al, "Neutrophin Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", <i>Advances in Enzyme Regulation</i> , 37:111-134, 1997	
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		Freeman et al, "Evidence that Platelet and Tumour Heparanases are Similar Enzymes", <i>Biochem. J.</i> , 342:361-368, 1999	
		Vlodavsky et al, "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", <i>Nature Medicine</i> , 5(7):793-802, 1999	
		Hulett et al, "Cloning of Mammalian Heparanase, an Important Enzyme in Tumor Invasion and Metastasis", <i>Nature Medicine</i> , 5(7):803-809, 1999	
		Ngo et al, "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox", Chap. 14 from <i>The Protein Folding Problem and Tertiary Structure Prediction</i> , Merz and LeGrand, Eds., Birkhäuser, Boston, 1994	
		Oldberg et al, Characterization of a Platelet Endoglycosidase Degrading Heparin-Like Polysaccharides", <i>Biochemistry</i> , 19:5755-5762, 1980	
		Kussie et al, "Cloning and Functional Expression of a Human Heparanase Gene", <i>Biochem. And Biophysical Res. Comm.</i> , 261:183-187, 1999	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/988,113
Filing Date	March 1, 1999
First Named Inventor	Pecker et al
Group Art Unit	1652
Examiner Name	Hutson, Richard G.
Attorney Docket Number	01/22781

Sheet	3	of	3
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		Walch et al, Correlation of Overexpression of the Low-Affinity p75 Neurotrophin Receptor with Augmented Invasion and Heparanase Production in Human Malignant Melanoma Cells", <i>Int. J. Cancer</i> , 82:112-120, 1999	
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		Zhou et al, "A 182 bp Fragment of the Mouse pro α 1(11) Collagen Gene is Sufficient to Direct Chondrocyte Expression in Transgenic Mice", <i>J. Cell Science</i> , 108:3677-3684, 1995	
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		Shastry, BS, "Gene Disruption in Mice Models of Development and Disease", <i>Molecular and Cellular Biochemistry</i> , 181:163-179, 1998	
		Carpentier et al, "DNA Vaccination with HuD Inhibits Growth of a Neuroblastoma in Mice", <i>Clinical Cancer Research</i> , 4:2819-2824, 1998	
		Lai, et al, "DNA Vaccines", <i>Critical Reviews in Immunology</i> , 18:449-484, 1998	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/978,297
				Filing Date	10/17/2001
				First Named Inventor	Yacobi-Zeevi
				Group Art Unit	1633
				Examiner Name	
Sheet	2	Of	4	Attorney Docket Number	01/22716
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹				T ²
	BA	"The Merck Manual", R. Berkow, M.D. Ed-in-Chief, Merck Research Laboratories, 1997, pp 201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 601.			
	BB	Konstan et al, "Patterns of Medical Practice in Cystic Fibrosis: Part III. Use of Therapies", <i>Pediatr Pulmonol</i> , 1999, Oct; 28(4):248-54 (Abstract)			
	BC	Frederiksen et al, "Antibiotic Treatment of Initial Colonization with Pseudomonas Aeruginosa Postpones Chronic Infection and Prevents Deterioration of Pulmonary Function in Cystic Fibrosis", <i>Pediatr Pulmonol</i> , 1997 May; 23(5):330-335 (Abstract)			
	BD	Frederiksen et al, "Changing Epidemiology of Pseudomonas Aeruginosa infection in Danish Cystic Fibrosis Patients (1974-1995)", <i>Pediatr Pulmonol</i> , 1999 Sep; 28(3):159-166 (Abstract)			
	BE	Ramsey et al, "Intermittent Administration of Inhaled Tobramycin in Patients with Cystic Fibrosis. Cystic Fibrosis Inhaled Tobramycin Study Group", <i>N. Eng. J. Med.</i> , 1999 Jan 7; 340(1):23-30 (Abstract)			
	BF	Matzner et al, "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by a Readily Released Heparanase from Human Neutrophils. Possible Role in Invasion Through Basement Membranes", <i>J. Clin. Invest.</i> , 1985 Oct; 76(4):1306-1313 (Abstract)			
	BG	Bennett et al, "Effect of Uridine 5'-Triphosphate plus Amiloride on Mucociliary Clearance in Adult Cystic Fibrosis", <i>Am J Respir Crit Care Med</i> , 1996 Jun; 153(6 Pt 1):1796-1801 (Abstract)			
	BH	Vlodavsky et al, "Expression Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 1992; 12(2):112-127 (Abstract)			
	BI	Naparstek et al, "Activated T Lymphocytes Produce a Matrix-Degrading Heparan Sulphate Endoglycosidase", <i>Nature</i> , 1984 July 19-25; 310(5974):241-244 (Abstract)			
	BJ	Armstrong et al, "Lower Airway Inflammation in Infants and Young Children with Cystic Fibrosis", <i>Am J Respir Crit Care Med</i> , 1997 Oct; 156(4Pt 1):1197-1204 (Abstract)			
	BK	Tang et al, "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in a Neonatal Mouse Model of Infection", <i>Infect Immun</i> , 1996 Jan; 64(1):37-43 (Abstract)			
	BL	Murray et al, "The Extracellular Matrix", found in Harper's Biochemistry, 24 th Ed., McGraw-Hill Professional 1998, Chap. 57, pp 667-679			
	BM	Selvan et al, "Heparan Sulfate in Immune Responses", <i>Annals New York Academy of Sciences</i> , 797:127-139, 1996			
	BN	Weller, Peter H., "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", <i>Pediatric Pulmonology</i> , 24:143-146, 1997			
Examiner Signature				Date Considered	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/978,297
				Filing Date	10/17/2001
				First Named Inventor	Yacobi-Zeevi
				Group Art Unit	1633
				Examiner Name	
Sheet	3	Of	4	Attorney Docket Number	01/22716
	CA	Konstan, Michael W., "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997			
	CB	Rubin, Bruce K., "Emerging Therapies for Cystic Fibrosis Lung Disease", <i>Chest</i> , 115:1120-1126, 1999			
✓	CD	Pasquier et al, "Implication of Neutral Polysaccharides Associated to Alginate Inhibition of Murine Macrophage Response to <i>Pseudomonas Aeruginosa</i> ", <i>FEMS Microbiol Lett.</i> 1997 Feb 15; 147(2):195-200 (Abstract)			
✓	CE	Marty et al, "Influence of Nutrient Media on the Chemical Composition of Exopolysaccharide from Mucoid and Non-Mucoid <i>Pseudomonas Aeruginosa</i> ", <i>FEMS Microbiol Lett.</i> 1992 Nov 1; 77(1-3):35-44 (Abstract)			
✓	CF	Drigues et al, "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From a Virulent Strain of <i>Pseudomonas Solanacearum</i> and for Three Avirulent Mutants", <i>J Bacteriol.</i> 1985 May; 162(2):504-509 (Abstract)			
✓	CG	Jorba et al, "Variations in the <i>P. Aeruginosa</i> Polysaccharide Synthesis Conditioned by Aminosugars (author's transl), <i>Rev Esp Fisiol.</i> 1980 Jun; 36(2):155-161 (Abstract)			
✓	CH	Ramos et al, "Relationship Between Glycosyls and Exopolysaccharide Biosynthesis in <i>Lactococcus Lactis</i> ", <i>Appl Environ Microbiol.</i> 2001 Jan; 67(1):33-41 (Abstract)			
✓	CI	Bhaskar et al, "Dysregulation of Proteoglycan Production by Intrahepatic Epithelial Cells Bearing Defective (delta-f508) Cystic Fibrosis Transmembrane Conductance Regulator", <i>Hepatology</i> , 1998 Jan; 27(1):7-14 (Abstract)			
✓	CJ	Vogel et al, "Production Of Proteoglycans By Human Lung Fibroblasts (IMR-90) Maintained In A Low Concentration Of Serum", <i>Biochem J</i> 1982 Dec 1; 207(3):369-379. (Abstract)			
✓	CK	Hill et al, "Organ-Specific Over-Sulfation Of Glycosaminoglycans And Altered Extracellular Matrix In A Mouse Model Of Cystic Fibrosis", <i>Biochem Mol Med.</i> 1997 Oct;62(1):113-22. (Abstract)			
✓	CL	Welch et al, "Complex Saccharide Metabolism In Cystic Fibrosis Fibroblasts" <i>Pediatr Res.</i> 1975 Sep;9(9):698-702. (Abstract)			
✓	CM	Rahmoune et al, "Chondroitin Sulfate In Sputum From Patients With Cystic Fibrosis And Chronic Bronchitis", <i>Am J Respir Cell Mol Biol.</i> 1991 Oct;5(4):315-20. (Abstract)			
✓	CN	Beuth et al, "Lectin-Mediated Bacterial Adhesion To Human Tissue", <i>Eur J Clin Microbiol.</i> 1987 Oct;6(5):591-3. (Abstract)			
✓	CO	Allison et al, "Polysaccharide Production in <i>Pseudomonas Cepacia</i> ", <i>J Basic Microbiol.</i> 1994; 34(1):3-10 (Abstract)			
✓	CP	Albus et al, "Staphylococcus Aureus Capsular Types And Antibody Response To Lung Infection In Patients With Cystic Fibrosis", <i>J Clin Microbiol.</i> 1988 Dec; 26(12):2505-9. (Abstract)			
✓	CQ	Macone et al, "Mucoid <i>Escherichia Coli</i> In Cystic Fibrosis", <i>N Engl J Med.</i> 1981 Jun 11;304(24):1445-9. (Abstract)			
Examiner Signature				Date Considered	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/978,297
		Filing Date	10/17/2001
		First Named Inventor	Yacobi-Zeevi
		Group Art Unit	1633
		Examiner Name	
Sheet	3	Of	4
	DA	Golberg et al, "An Improved Method For Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Connective Tissue Research</i> , 24:255-275, 1990	
✓	DB	Farnsdale et al, "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", <i>Connective Tissue Research</i> , 9:247-248, 1982	
✓	DC	Sutherland, Ian W., "Structure-Function Relationships in Microbial Exopolysaccharides", <i>Biotech Adv.</i> , 12:393-448, 1994	
✓	DD	Tatnell et al, "Characterisation of Alginates from Mucoic Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 24:404S, 1996	
✓	DE	Tatnell et al, "Chemical Analysis of Alginates from Mucoic Strains of <i>Pseudomonas Aeruginosa</i> ", <i>Biochem. Soc. Trans.</i> , 22:310S, 1994	
✓	DF	Tatnell et al, "Colonisation of Cystic Fibrosis Patients by Non-Mucoic <i>Pseudomonas Aeruginosa</i> - Characterisation of the Alginate from Mucoic Variants", <i>Biochem. Soc. Trans.</i> , 24:406S, 1996	
✓	DG	Drigues et al, "Comparative Studies of Lipo polysaccharide and Exopolysaccharide from a Virulent Strain of <i>Pseudomonas Soanacearum</i> and from Three Avirulent Mutants", <i>J Bacteriology</i> , May, 1985, pp 504-509	
✓	DH	Macone et al, "Mucoic <i>Escherichia Coli</i> in Cystic Fibrosis", <i>New England J Medicine</i> , 304(24):1444S-1449	
✓	DI	Ofek et al, "Bacterial Adhesion to Cells and Tissue", Chapman & Hall, N.Y., Pub. 1994, pp 114-118, 148-153, 418-418, 420-423	
	DJ		
Examiner Signature		Date Considered	

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Form PTO-1449 (Modified)

Atty. Docket No.
910/26

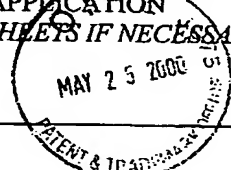
Application No.
09/487,716

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:
Maty AYAL-HERSHKOVITZ et al

Filing Date:
January 19, 2000

Group Art Unit:



U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AB								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	<i>mm</i>	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu Rev Biochem</i> , 58:575-606, 1989						
AD		Campbell et al, "Heparan Sulfate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Experimental Cell Research</i> , 20:156-167, 1992						
AE		Gordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", <i>Laboratory Investigation</i> , 63:832-840, 1990						
AF		Eisenberg et al, "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surface and Extracellular Matrix", <i>J. Clin. Invest.</i> , 90:2013-2021, 1992						
AG		Folkman et al, "A Heparin-Binding Angiogenic Protein-Basic Fibroblast Growth Factor-Is Stored Within Basement Membrane", <i>Am. J. Path.</i> , 130(2):393-400, 1988						
AH		Folkman et al, "Angiogenic Factors", <i>Science</i> , 235:442-447, 1987						
AI		Gitay-Goren et al, "The Binding of Vascular Endothelial Growth Factor to its Receptors is Dependent on Cell Surface-Associated Heparin-Like Molecules", <i>J. Biol. Chem.</i> , 267(8):6093-6098, 1992						
AJ		Ishai-Michaeli et al, "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor from the Vascular Endothelium and Extracellular Matrix", <i>Biochemistry</i> , 31:2080-2088, 1992						
AK		Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes", <i>Physiological Rev</i> , 71(2):481-539, 1991						
AL		Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu Rev Biochem</i> , 60:443-475, 1991						
AM		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983						
AN		Matzner et al, "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by a Readily Released Heparanase from Human Neutrophils", <i>J. Clin Invest</i> , 76:1306-1313						
AO	<i>mm</i>	Mollinedo et al, "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem J.</i> , 327:917-923, 1997						

EXAMINER

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DATE CONSIDERED

4/29/01

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Form PTO-1449 (Modified)

Atty. Docket No.
910/26Application No.
09/487,716

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:
Maty AYAL-HERSHKOVITZ et alFiling Date:
January 19, 2000

Group Art Unit

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
BB								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Narindrasorasak et al, "High Affinity Interactions between the Alzheimer's β -Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", <i>J Biol Chem</i> , 266(20):12878-12883, 1991
BD	Nakajima et al, "Heparanases and Tumor Metastasis", <i>J Cellular Biochem</i> , 36:157-167, 1988
BE	Ornitz et al, "FGF Binding and FGF Receptor Activation by Synthetic Heparan-Derived Di- and Trisaccharides", <i>Science</i> , 268:432-436, 1995
BF	Rapraeger et al, "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", <i>Science</i> , 252:1705-1709, 1991
BG	Vlodasky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Res.</i> , 43: 2704-2711, 1983
BH	Vlodavsky et al, "Involvement of Heparanase in Tumor Metastasis and Angiogenesis", <i>Israel J. Med Sci</i> , 24:464-470, 1988
BI	Zhong-Sheng et al, "Role of Heparan Sulfate Proteoglycans in the Binding and Uptake of Apolipoprotein E-Enriched Remnant Lipoproteins by Cultured Cells", <i>J Biol Chem</i> , 268(4):10160-10167, 1993
BJ	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>Molecular and Cellular Aspects of Basement Membranes</i> , Academic Press, Inc. 1993, pp 327-342
BK	Wight, TN, "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9:1-20, 1989
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Form PTO-1449 (Modified)				Atty. Docket No. 910/16		Application No. 09/260,038		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				Applicant: Maty AYAL-HERSHKOVITZ et al				
				Filing Date: March 2, 1999		Group Art Unit: 1652		
U.S. PATENT DOCUMENTS								
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
AA								
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
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AM		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983						
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AO		Mollinedo et al, "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes: Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem J.</i> , 327:917-923, 1997						
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Form PTO-1449 (Modified)		Atty. Docket No. 910/16		Application No. 09/260,038			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Maty AYAL-HERSHKOVITZ et al					
		Filing Date: March 2, 1999		Group Art Unit: 1652			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							
FOREIGN PATENT DOCUMENTS							
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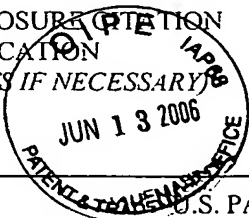
-1449 (Modified)

Atty. Docket No.

Application No.

09/260,037

INFORMATION DISCLOSURE CITATION
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Applicant:
Oron YACOBY-ZEEVI et al

Filing Date:
March 2, 1999

Group Art Unit:
1643

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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AB							

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AC		Murry et al, "The Extracellular Matrix", found in "Biochemistry", Chap. 57, pp 667-685
AD		Selvan et al, "Heparan Sulfate in Immune Responses", <i>Ann. NY Acad. Sci.</i> , 777: 127-139, 1996
AE	<input checked="" type="checkbox"/>	Wight, TN, "Cell Biology of Arterial Protopglycans", <i>Arteriosclerosis</i> , 9: 1-20, 1989
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AH	<input checked="" type="checkbox"/>	Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion Metastasis</i> , 14:290-302, 1994-5
AI	<input checked="" type="checkbox"/>	Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991
	<input checked="" type="checkbox"/>	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>Cell. Molec. Aspects</i> , 1993, Academic Press, Inc. Pp 327-343
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AL		Prockop, DJ, "Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", <i>Science</i> , 276: 71-74, 1997; Krivit et al, "Microglia: The Effector cell for reconstitution of the Central Nervous System Following Bone Marrow Transplantation for Lysosomal and Peroxisomal Storage Diseases", <i>Cell Transplant</i> , 4(4): 385-392, 1995 (Abstract)
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DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:

Oron YACOBY-ZEEVI et al

Filing Date:

March 2, 1999

Group Art Unit:

1643

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
BB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Pomahac et al, "Tissue Engineering of Skin", <i>Crit Rev Oral Biol Med</i> , 9(3): 313-344, 1998 (abstract)
BD	Benathan et al, "Living Epidermal and Dermal Substitutes for Treatment of Severely Burned Patients", <i>Rev Med Suisse Romande</i> , 118(2): 149-153, 1998 (Abstract- art in French)
BE	Wang et al, Basic Fibroblast Growth Factor Enhances Bone-Graft Incorporation: Dose and Time Dependence in Rats", <i>J. Orthop Res</i> , 14(2): 316-23, 1996 (abstract)
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EH	Raghuathan et al, Cultured Epithelial Autografts: Diving from Surgery into Matrix Biology", <i>Pediatr Surg Int</i> , 12(7): 478-483, 1997 (abstract)
BI	Myers et al, "Transplantation of Keratinocytes in the Treatment of Wounds", <i>Am J Surg</i> , 170(1): 75-83, 1995 (abstract)
BJ	Kawaja et al, "Employment of Fibroblasts for Gene Transfer: Applications for Grafting into the Central Nervous System", <i>Genet Eng (NY)</i> , 13: 205-220, 1991 (abstract)
EK	Maillard et al, Pre-Treatment with Elastase Improves the Efficiency of Percutaneous Adenovirus-Mediated Gene Transfer to the Arterial Media", <i>Gene Therapy</i> , 5: 1023-1030, 1998
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BN	Inui et al, "Local Application of Basic Fibroblast Growth Factor Minipellet Induces the Healing of Segmental Bony Defects in Rabbits",
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INFORMATION DISCLOSURE CITATION
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09/250,037

Applicant:
Oron YACOBY-ZEEVI et al

Filing Date:
March 2, 1999

Group Art Unit:
1642

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
C:A							

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
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C:E		Aspenberg et al, "Stimulates Bone Formation. Bone Induction Studied in Rats", <i>Acta Orthop Scand</i> , 60(4): 473-476, 1989 (abstract)
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CH		Chleboun et al, "The Development and Enhancement of the Collateral Circulation in an Animal Model of Lower Limb Ischaemia", <i>Aust NZ Surg</i> , 64(3): 202-207, 1994 (abstract)
C:I		Aplin, JD, "Adhesion Molecules in Implantation", <i>Rev Reprod</i> , 2(2): 84-93, 1997
CJ		Lessey et al, "Paracrine Signaling in the Endometrium: Integrins and the Establishment of Uterine Receptivity", <i>J Reprod Immunol</i> , 39(1-2): 105-116, 1998 (abstract)
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Atty. Docket No.

Application No.

09/250,037

INFORMATION DISCLOSURE CITATION
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Applicant:
Oron YACOBY-ZEEVI et al

Filing Date:
March 2, 1999

Group Art Unit:
1643

U.S. PATENT DOCUMENTS

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DA							

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
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DATE CONSIDERED

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Modified)

Atty. Docket No.
910/12Application No.
09/186,200

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Tuvia PERETZ et al

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Group Art Unit

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AB								

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AD	Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions and Role in Physiological Processes", <i>Physiol. Rev.</i> , 71:481-539, 1991 20437
AE	Wight et al, "Cell Biology Of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9:1-20, 1989 20437
AF	Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991 20437
AG	Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64: 867-869, 1991 20437
AH	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes and Plasma Proteins" In <i>Basement Membranes: Cellular and Molecular Aspects</i> (eds. Rohrbach and Tirupul), Academic Press, Inc., Orlando, Fla., 327-343, 1993 20437
AI	Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion & Metastasis</i> , 12: 112-127, 1992 20437
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AM	Vlodavsky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix", <i>Cancer Res.</i> , 43: 2704-2711, 1983 20437
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DATE CONSIDERED

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Form FTO-1449 (Modified)				Atty. Docket No. 910/12		Application No. 05/186,200	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Tuvia PERETZ et al			
				Filing Date		Group Art Unit	
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
BB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
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BD	✓ Vlodavsky et al, "Morphological Appearance, Growth Behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix vs. Plastic", <i>Cell</i> , 19: 607-616, 1980 20434						
BE	✓ Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991 20435						
BF	✓ Campbell et al, "Heparin Sulfate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167, 1992 20437						
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BH	✓ Thunberg et al, The Molecular Size of the Antithrombin-Binding Sequence in Heparin", <i>FEBS Lett.</i> , 117: 203-206, 1980						
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BJ	✓ Hudson, PJ, "Recombinant Antibody Fragment", <i>Curr. Opin. Biotech.</i> , 4: 395-400, 1998						
BK	✓ Schoepe et al, "Neutralization of Hemolytic and Mouse Lethal Activities of <i>C. Perfringens</i> Alpha-Toxin Need Simultaneous Blockage of Two Epitopes by Monoclonal Antibodies", <i>Microbiol. Pathogenesis</i> , 23: 1-10, 1997						
BL	✓ Chiba et al, "Generation of Neutralizing Antibody to the Reverse Transcriptase of Human Immunodeficiency Virus Type 1 by Immunizing of Mice with an Infectious Vaccinia Virus Recombinant", <i>J. Immunological Methods</i> , 207: 53-60, 1997						
BM	✓ Wong, JF, "Monoclonal Antibodies: Therapeutic Applications Grow in Promise and Number", <i>Genetic Engineering News</i> , July, 1998, pp 23, 49						
EXAMINER				DATE CONSIDERED			
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Form PTO-1449 (Modified)				Atty. Docket No. 910/12		Application No. 09/186,200	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				APPLICANT Tuvia PERETZ et al			
				Filing Date		Group Art Unit	
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CA							
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
CH							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CI	✓	Sherman-Gold, R., "Monoclonal Antibodies: The Evolution from '80s Magic bullets to Mature, Mainstream Applications as Clinical Therapeutics", <i>Genetic Engineering News</i> , August, 1997, pp 4, 35					
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CL	✓	Mateo et al, "Humanization of a Mouse Monoclonal Antibody that Blocks the Epidermal Growth Factor Receptor: Recovery Antagonistic Activity", <i>Immunotechnology</i> , 3: 71-81, 1997					
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Modified)
DISCLOSURE CITATION
AN APPLICATION
(SEVERAL SHEETS IF NECESSARY)

Atty. Docket No
910/10

Application No.
09/140,888

Applicant:
Oron YACOBY-ZEEVI

Filing Date:
August 27, 1998

Group Art Unit:
1633

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AB		09009962 A	14/1/97	JP				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC		"Handbook of Microbiology", Vol. 1, 1974, pp 239-242, article by Clancy, C.I.						
AD		"Pseudomonas: biotransformations, pathogenesis, and evolving biotechnology", Eds. Silver et al. American Society for Microbiology, 1990, Chps 2,3.						
AE		Wang et al, "Isolation and Characterization of <i>Pseudomonas Aeruginosa</i> Gene; Inducible by Respiratory Mucus Derived from Cystic Fibrosis Patients", <i>Mol. Microbiol.</i> , 22(5): 1005-1012, 1996 (Abstract)						
AF		Moss et al, "Reduced IL-10 Secretion by CD4+ T Lymphocytes Expressing Mutant Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)", <i>Clin. Exp. Immunol.</i> , 106(2):374-388, 1996 (Abstract)						
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AL		Stickler et al. An Assessment of the Ability of a Silver-Releasing Device to Prevent Bacterial Contamination of Urethral Catheter Drainage Systems", <i>British J. Urology</i> , 73: 579-588, 1996						
AM		Potera, C., "Bacteria in Biofilms Exchange Developmental Signals", <i>ASM News</i> , 64(6): 321-322						
AN		Gabriel et al, "In Vitro Adherence of <i>Pseudomonas Aeruginosa</i> to Four Intraocular Lenses", <i>J. Cataract Refract. Surg</i> 24:124-129, 1998,						
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)	Atty. Docket No. 910/10	Application No. 09/141,888
	Applicant: Oron YACOBY-ZEEVI	
	Filing Date: August 27, 1998	Group Art Unit: 1633

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BD		Pier, G.B., "Rationale for Development of Immunotherapies that Target Mucoïd <i>Pseudomonas Aeruginosa</i> Infection in Cystic Fibrosis Patients", <i>Behring Inst Mitt</i> , 98:350-360, 1997 (Abstract)
BE		Goldberg et al, "Biologic Activities of Antibodies to the Neutral-Polysaccharide Component of the <i>Pseudomonas Aeruginosa</i> lipopolysaccharide are Blocked by O Side Chains and Mucoïd Exopolysaccharide (Alginate)", <i>Infect Immun</i> , 63(1):21-26 (Abstract)
BF		Meluleni et al, "Mucoïd <i>Pseudomonas Aeruginosa</i> Growing in a Biofilm in vitro are Killed by Opsonic Antibodies to the Mucoïd Exopolysaccharide Capsule but not by Antibodies Produced During Chronic Lung Infection in Cystic Fibrosis Patients", <i>J. Immun</i> , 155(4):2029-2038, 1995 (Abstract)
BG		Philippon et al, "Virulence Factors (aerobactin and mucoïd phenotype) in <i>Klebsiella Pneumoniae</i> and <i>Escherichia coli</i> Blood Culture Isolates", <i>FEMS Microbiol Lett</i> , 130(1): 51-57, 1995 (Abstract)
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● BI		Pier et al, "Cystic Fibrosis Transmembrane Conductance Regulator is an Epithelial Cell Receptor for Clearance of <i>Pseudomonas Aeruginosa</i> from the Lung", <i>Proc Natl Acad Sci USA</i> 94(22): 12088-93, 1997 (Abstract)
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BL		Yu et al, "Microbial Pathogenesis in Cystic Fibrosis: Pulmonary Clearance of Mucoïd <i>Pseudomonas Aeruginosa</i> and Inflammation in a Mouse Model of Repeated Respiratory Challenge", <i>Infection and Immunity</i> , 66(1): 280-288, 1998
BM		Van Heeckeren et al, "Excessive Inflammatory Response of Cystic Fibrosis Mice to Bronchopulmonary Infection with <i>Pseudomonas Aeruginosa</i> ", <i>J. Clin Invest</i> , 100(11): 2810-2815, 1997
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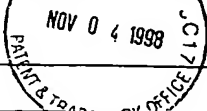
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Oron YACOBY-ZEEVI	
		Filing Date: August 27, 1998	Group Art Unit: 16:3
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
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CB		Wiils et al, "Short-Term Recombinant Human Dnase in Bronchiectasis. Effect on Clinical State and in vitro Sputum Transportability", (Abstract) no further information.	
CC		Cai et al, "Comparison of Sputum Processing Techniques in Cystic Fibrosis", <i>Pediatr Pulmonol</i> , 22(6): 402-407, 1996 (Abstract)	
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CG		Ying et al, "Alginate, the slime Exopolysaccharide of <i>Pseudomonas Aeruginosa</i> , Binds Human Leukocyte Elastase, Retards Inhibition by Alpha 1-proteinase Inhibitor, and Accelerates Inhibition by Secretory Leukoprotease Inhibitor", <i>Am J Cell Moll Biol</i> , 15(2): 283-291, 1996 (Abstract)	
CH		Johansen et al, Chronic <i>Pseudomonas Aeruginosa</i> Pneumonia. A New Prophylactic Principle", <i>Behring Inst Mitt</i> , 90: 269-273, 1997 (Abstract)	
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CJ		Spencer, RC, "Invasive Streptococci", <i>Eur J Clin Microbiol Infect Dis</i> , 14 Suppl :S26-S32, 1995 (Abstract)	
CK		Mengistu et al, "Continuous Culture Studies on the Synthesis of Capsular Polysaccharide by <i>Klebsiella Pneumoniae K1</i> ", <i>J Appl Bacteriol</i> , 76(5): 424-430, 1994 (Abstract)	
CL		Hsueh et al, "Invasive <i>Streptococci Pneumoniae</i> Infection Associated with Rapidly Fatal Outcome in Taiwan", <i>J Formos Med Assoc</i> , 95(5):364-371, 1996 (Abstract)	
CM		Moses et al, "Relative Contributions of Hyaluronic Capsule and M Protein to Virulence in a Mucoid Strain of the Group A Streptococcus", <i>Infect Immun</i> , 65(1):64-71, 1997 (Abstract)	
CN		Scott et al, Visualization of an Extracellular Mucoid Layer of <i>Treponema Denticola</i> ATCC 35405 and Surface Sugar Lectin Analysis of Some <i>Treponema</i> Species", <i>Oral Microbiol Immunol</i> , 12(2): 121-125, 1997 (Abstract)	
CO		Nilsson et al, "The Role of Staphylococcal Polysaccharide Microcapsule Expression in Septicemia and Septic Arthritis", <i>Infect Immun</i> , 65(10): 4216-21, 1997 (Abstract)	
CP		Wessels et al, "Effects on Virulence of Mutations in a Locus Essential for Hyaluronic Acid Capsule Expression in Group A Streptococci", <i>Infect Immun</i> , 62(2): 433-441, 1994 (Abstract)	
EXAMINER		DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

49 (Modified)

Atty. Docket No.
910/8Application No.
09/113, 68CITATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Hanna BEN ARTZI et alFiling Date:
July 10, 1998Group or Unit:
1652-157

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA							

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
AB							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	JAL	Wight et al, "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", <i>Cell Biology</i> , 4: 93-801, 1992
AD		Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological processes", <i>Physiological Review</i> , 71(2):481-539, 1981
AE		Wight, T.N., "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9(1):1-20, 1989
AF		Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991
AG		Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64: 867-869, 1991
AH		Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins", <i>In Basement Membranes: Cellular and Molecular Aspects</i> , (eds. Rohrbach & Timpl), p 327-343, Academic Press Inc., Orlando, Fla., 1993.
AI		Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 12:112-127, 1992
AJ		Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion Metastasis</i> , 14:290-302, 1994-95.
		Nakajima et al, "Heparanase and Tumor Metastasis", <i>J. Cellular Biochem.</i> , 36:157-167, 1988.
AL		Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Laboratory Investigation</i> , 49(6):636-647, 1983.
AM		Vlodavsky et al, "Lymphocyte Cell-Mediated Degradation of Sulfated Proteoglycan in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Research</i> , 43: 2704-2711, 1983
AN		Vlodavsky et al, "Involvement of Heparanase in Tumor Metastasis and Angiogenesis" <i>Isr. Med. Sci.</i> , 24: 464-470, 1983
AO		Parish et al, "Evidence That Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumour-Cell-Derived Heparanases", <i>Int. J. Cancer</i> , 40: 511-518, 1987.
AP	JAL	Vlodavsky et al, "Morphological Appearance, Growth Behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix Versus Plastic", <i>Cell</i> , 19: 607-616 1980

EXAMINER












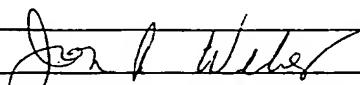
Jon Phelan

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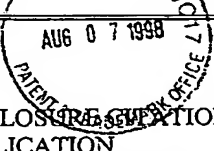
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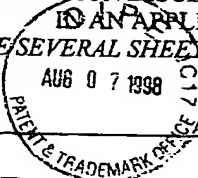
Form PTO-1449 (Modified)			Atty. Docket No. 910/8		Application No. 09/113,168		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)			Applicant: Hanna BEN ARTZI et al				
			Filing Date: July 10, 1998		Group A Unit: 1652/6, 57		
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
BB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BC		Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991					
BD		Campell et al, "Heparin Sulfate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167, 1992					
BE		Lider et al, "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals with Low Doses of Heparin", <i>J. Clin. Invest.</i> , 83: 752-756, 1989					
BF		Thunberg et al, "The Molecular Size of the Antithrombin-Binding Sequence in Heparin", <i>FEBS Letters</i> , 117(1): 203-206, 1980					
BG		Sudhalter et al, "Importance of Size, Sulfation and Anticoagulant Activity in the Potentiation of Acidic Fibroblast Growth Factor by Heparin", <i>J. Biol. Chem.</i> , 254(12): 6892-6897, 1989					
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BI		Inoue et al, "Selective N-Desulfation of Heparin with Dimethyl Sulfoxide Containing Water or Methanol", <i>Carbohydrate Research</i> , 46:67-95, 1976					
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BL		Gospodarowicz et al, "Stimulation of Corneal Endothelial Cell Proliferation <i>in vitro</i> by Fibroblast and Epidermal Growth Factors", <i>Exp. Eye Res.</i> , 25: 75-89, 1977					
BM		Haimovits-Friedman et al, "Activation of Platelet Heparitinase by Tumor Cell-Derived Factors", <i>Blood</i> , 78: 789-796, 1991					
BN		Vlodavsky et al, "Extracellular Matrix-Resident Growth Factors and Enzymes: Possible Involvement in Tumor Metastasis and Angiogenesis", <i>Cancer and Metastasis Rev.</i> , 9: 203-226, 1990					
EXAMINER					DATE CONSIDERED		
					30 Sep 99		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)			Atty. Docket No. 910/8		Application No. 09/113,158		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)			Applicant: Hanna BEN ARTZI et al				
			Filing Date: July 10, 1998		Group Art. Unit: 1652-1657		
U.S. PATENT DOCUMENTS							
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CA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
CB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CC		Regan et al, "Mimicry of Biological Macromolecules by Polyaromatic Anionic Compounds", <i>J. Bioactive and Compatible Polymers</i> , 8: 317-337, 1993					
CD		Benezra et al, "Antiproliferative Activity to Vascular Smooth Muscle Cells and Receptor Binding of Heparin-Mimicking Polyaromatic Anionic Compounds", <i>Arteriosclerosis and Thrombosis</i> , 14(12): 1992-1999, 1993					
CE		Katz et al, "Antiproliferative Activity to Glomerular Mesangial Cells and Receptor Binding of a Heparin-Mimicking Polyaromatic Anionic Compound", <i>J. Amer. Soc. Nephrology</i> , 1638-1697, 1997					
CF		Miao et al, "Modulation of Fibroblast Growth Factor-2 Receptor Binding, Dimerization, Signaling, and Angiogenic Activity by a Synthetic Heparin-Mimicking Polyaromatic Compound", <i>J. Clin. Invest.</i> , 99(7): 1565-1575, 1997					
CG		Benezra et al, "Reversal of Fibroblast Growth Factor-mediated Autocrine Cell Transformation by Aromatic Anionic Compounds", <i>Cancer Research</i> , 52:5656-5662, 1992.					
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CI		Coombe et al, "Analysis of the Inhibition of Tumour Metastasis by Sulphated Polysaccharides", <i>Int. J. Cancer</i> , 39: 82-88, 1987.					
CJ		Ornitz et al, "Heparin is Required for Cell-Free Binding of Basic Fibroblast Growth Factor to a Soluble Receptor and for Mitogenesis in Whole Cells", <i>Molecular and Cellular Biology</i> , 12: 240-247, 1992					
CK		Yayon et al, "Cell Surface, Heparin-like Molecules are Required for Binding of Basic Fibroblast Growth Factor to its High Affinity Receptor", <i>Cell</i> , 64: 841-848, 1991.					
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CM		Bartlett et al, "Comparative Analysis of the Ability of Leucocytes, Endothelial Cells, and Platelets to Degrade the Subendothelial Basement Membrane: Evidence for Cytokine Dependence and Detection of a Novel Sulfatase", <i>Immunology and Cell Biol.</i> , 73: 113-124, 1995.					
CN							
EXAMINER 		DATE CONSIDERED 30 Sep 99					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)		Atty. Docket No. 910/8		Application No. 09/113,138			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Hanna BEN ARTZI et al					
		Filing Date: July 10, 1998		Group Art Unit: 1652-6751			
U.S. PATENT DOCUMENTS							
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DA							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
DB				Nakajima et al, "A Solid-Phase Substrate of Heparanase: Its Application to Assay of Human Melanoma for Heparan Sulfate Degradative Activity", <i>Analytical Biochemistry</i> , 157: 162-171, 1986.			
DC				Oosta et al, "Purification and Properties of Human Platelet Heparitanase", <i>J. Biol. Chem.</i> , 257(19): 11249-11255, 1982.			
DD				Sewell et al, "Human Mononuclear Cells Contain an Endoglycosidase Specific for Heparan Sulfate Glycosaminoglycan Demonstrable with the Use of a Specific Solid-Phase Metabolically Radiolabelled Substrate", <i>Biochem J.</i> , 264: 777-783, 1989.			
DE				Freeman et al, "A Rapid Quantitative Assay for the Detection of Mammalian Heparanase Activity", <i>Biochem J.</i> , 325: 229-237, 1997.			
DF				Mullings et al, "New Reducing Sugar Assay for the Study of Cellulases", <i>Enzyme Microb. Technol.</i> , 6:491-496, 1984.			
DG				Taylor et al, "A colorimetric Method for the Quantitation of Uronic Acids and a Specific Assay for Galacturonic Acid", <i>Analytical Biochemistry</i> , 201: 190-196, 1992.			
DH				Linhardt, R.J., "Large Electrophoresis of Oligosaccharides", <i>Methods in Enzymology</i> , 230: 265-280, 1994.			
DI				Basu et al, "Analysis of Glycosphingolipids by Fluorophore-Assisted Carbohydrate Electrophoresis Using Ceramide Glycanase from <i>Mercenaria mercenaria</i> ", <i>Analytical Biochemistry</i> , 222: 271-274, 1994.			
DJ				Jackson, P., "The Use of Polyacrylamide-gel Electrophoresis for the High-Resolution of Separation of Reducing Saccharides Labelled with the Fluorophore 8-aminonaphthalene-1,3,6-trisulphonic Acid", <i>Biochem J.</i> , 270: 705-713, 1990.			
DK				Coquet et al, "Applications of a Post-column Fluorogenic Reaction in Liquid Chromatography for the Determination of Glucose and Fructose in Biological Matrices", <i>Analytica Chimica Acta</i> , 252: 173-179, 1991.			
DL				DeVouge et al, "Immunoselection of GRP94/Endoplasmic Reticulum From a KNRK Cell-Specific λ gt11 Library Using Antibodies Directed Against a Putative Heparanase Amino-Terminal Peptide", <i>Int. J. Cancer</i> , 56: 286-294, 1994.			
DM				Zsolnai et al, "Directional Immobilization of Heparin onto the Nonporous Surface of Polystyrene Microplates", <i>Biotechniques</i> , 23(3): 382-385, 1997.			
DN				Bellott et al, "Closing the Loop in Combinatorial Chemistry", <i>European Pharmaceutical Contractor</i> , Aug., 1997.			
DO				Goldberg et al, "An Improved Method for Determining Proteoglycans Synthesized by Chondrocytes in Culture", <i>Live Tissue Research</i> , 24: 265-275, 1990.			
EXAMINER		DATE CONSIDERED					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)				Atty. Docket No. 910/4		Application No. 09/046,475	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)				Applicant: Oron Yacoby ZEEVI			
				Filing Date: March 25, 1998		Group Art Unit: 1652	
U.S. PATENT DOCUMENTS							
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AD							AUG 10 1998
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
AE							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AF	RP	Allen, E.D., "Opportunities for the Use Aerosolized α_1 - Antitrypsin for the Treatment of Cystic Fibrosis", <i>Chest</i> , 110: 256S - 260S, 1996					
AG	RP	Konstan et al, "Current Understanding of the Inflammatory Process in Cystic Fibrosis", <i>Pediatric Pulmonology</i> , 24:137-142, 1997					
AH	RP	Dasgupta et al, "Reduction in Viscoelasticity in Cystic Fibrosis Sputum <i>In Vitro</i> Using Combined Treatment with Nacystelyn and rhDNase", <i>Pediatric Pulmonology</i> , 22:161-166, 1996					
AI	RP	Crystal, R.G., "Gene Therapy Strategies for Pulmonary Disease", <i>Am. J. Medicine</i> , 92(supp 64): 6A-44S - 6A-52S (June 1992)					
AJ	RP	Lieberman, J., "The Appropriate Use of Mucolytic Agents", <i>Am. J. Medicine</i> , 49(1): 1-4, 1970					
AK	RP	Boat et al, "Biochemistry of Airway Mucus Secretions", <i>Fed Proc</i> , 39:13: 3067-3074, 1980 (Abstract)					
AL	RP	Mohapatra et al, "Alteration of Sulfation of Glycoconjugates, but not Sulfate Transport and Intracellular Inorganic Sulfate Content in Cystic Fibrosis Airway Epithelial Cells", <i>Pediatr Res</i> , 38(1): 42-48, 1995 (Abstract)					
AM	RP	Boat et al, "Increased Sulfation of Glycoconjugates by Cultured Nasal Epithelial Cells from Patients with Cystic Fibrosis", <i>J. Clin Invest.</i> , 84(1):68-72, 1989 (Abstract)					
AN	RP	Boat et al, "Epithelial Cell Dysfunction in Cystic Fibrosis: Implications for Airways Disease", <i>Acta Paediatr Scand Suppl</i> , 363:25-29, 1989					
AO	RP	Welch et al, "Complex Saccharide metabolism in Cystic Fibrosis Fibroblasts", <i>Pediatr Res</i> , 9:698-702, 1975					
AP	RP	Schwartz et al "CpG Motifs in Bacterial DNA Cause Inflammation in the Lower Respiratory Tract", <i>J. Clin. Invest.</i> , 100(1): 68-73, 1997 (Abstract)					
EXAMINER				Rebecca Proulx			
				DATE CONSIDERED 7-21-99			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)

Atty. Docket No.
910/4Application No.
09/046,475INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Oron Yacoby ZEEVIFiling Date:
March 25, 1998Group Art Unit:
1652

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
BA							

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
						AUG 10 1998
						YES NO
BC						YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BD	RP	Hill et al, "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in a Mouse Model of Cystic Fibrosis", <i>Biochem Mol Med</i> , 62(1): 113-122, 1997 (Abstract)
BE	RP	"Harper's Biochemistry", 24th Ed. Pp 660-685
BF	RP	Chase et al, "Respiratory Mucous Secretions in Patients with Cystic Fibrosis: Relationship Between Levels of Highly Sulfated Mucin Component and Severity of the Disease", <i>Clinica Chimica Acta</i> , 132: 143-155, 1983
BG	RP	Schwab et al, "Increased Adherence of <i>Staphylococcus Aureus</i> From Cystic Fibrosis Lungs to Airway Epithelial Cells", <i>Am Rev Respir</i> , 148(2): 365-369, 1993 (Abstract)
BH	RP	Barghouthi et al, "Nonopsonic Phagocytosis of <i>Pseudomonas Aeruginosa</i> Requires Facilitated Transport of D-Glucose by Macrophages", <i>J. Immunol.</i> , 154(7): 3420-3428, 1995 (Abstract)
BI	RP	Moser et al, "Chronic <i>Pseudomonas Aeruginosa</i> Lung Infection is more Severe in Th2 Responding BALB/c Mice compared to Th1 Responding C3H/HeN Mice", <i>APMIS</i> , 105(11): 838-842, 1997 (Abstract)
BJ	RP	Cowley et al, "Mucociliary Clearance in Cystic Fibrosis Knockout Mice Infected with <i>Pseudomonas Aeruginosa</i> ", <i>Eur Respir</i> , 10(10): 2312-2318, 1997 (Abstract)
BK	RP	Zahm et al, "Early Alterations in Airway Mucociliary Clearance and Inflammation of the <i>Lamina Propria</i> in CF Mice", <i>Am J Physiol</i> , 272(3 Pt 1): C853-C859, 1997 (Abstract)
BL	RP	Pier et al, "Cystic Fibrosis Transmembrane Conductance Regulator is an Epithelial Cell Receptor for Clearance of <i>Pseudomonas Aeruginosa</i> From the Lung", <i>Proc Natl Acad Sci USA</i> , 94(22): 12088-12093, 1997
BM	RP	Selvan et al, "Heparan Sulfate in Immune Responses", <i>An. NY Acad. Sci.</i> , 797: 127-139, 1996
BN	RP	Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion Metastasis</i> , 12:112-127, 1992
BO	RP	Nakajima et al, "Heparanases and Tumor Metastasis", <i>J. Cell Biochem.</i> , 36(2): 157-167, 1988

EXAMINER

Rebecca Proulx

DATE CONSIDERED

7-21-99

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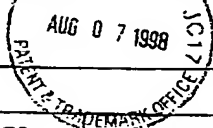
Atty. Docket No.
910/4

Application No.
09/046,475

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:
Oron Yacoby ZEEVI

Filing Date:
March 25, 1998

Group Art Unit:
1652


U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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							YES	NO
CB						406 10		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	RP	Thompson et al, "Identification of Chondroitin Sulfate E in Human Lung Mast Cells", <i>J. Immunol.</i> , 140(8): 2708-2713, 1988 (Abstarct)						
CD	RP	Giuffre et al, "Monocyte Adhesion to Activated Aortic Endothelium: Role of L-Selectin and Heparan Sulfate Proteoglycans", <i>J Cell Biol</i> , 136(4): 945-956, 1997 (Abstarct)						
CE	RP	Shimada et al, "Involvement of Cell Surface Heparin Sulfate in the Binding of Lipoprotein Lipase to Cultured Bovine Endothelial Cells", <i>J Clinical Invest</i> , 68(4): 995-1002, 1981 (Abstarct)						
CF	RP	Raymond et al, "Chondroitin Sulfate in Sputum from Patients with Cystic Fibrosis and Chronic Bronchitis", <i>Am J Resp Cell & Mol Biol</i>, 5(4): 315-320, 1991						
CG	RP	Hayward et al, "Heparinase III Exerts Endothelial and Cardioprotective Effects in Feline Myocardial Ischemia-Reperfusion Injury", <i>J. Pharm Exp Ther</i>, 283(3): 1032-1038, 1997 (Abstarct)						
CH	RP	Yamaguchi et al, "Neutrophil Elastase Inhibitor Reduces Neutrophil Chemoattractant Production After Ischemia-Reperfusion in Rat Liver", <i>Gastroenterology</i> , 112(2): 551-560, 1997 (Abstract)						
CI	RP	Matgolies et al, "Identification of a Major Heparin-Precipitable Protein in Human Serum and its Relationship to Cystic Fibrosis", <i>Pediatr Res</i> , 16(3): 181-186, 1982 (Abstract)						
CJ	RP	Leong et al, "Diffrent Classes of Proteoglycans Contriute to the Attachment of <i>Borrelia Burgdorferi</i> to Cultured Endiothelial and Brain Cells", <i>Infect Immun</i> , 66(3): 994-999, 1998 (Abstract)						
CK	RP	Asagoe et al, "Effect of Heparin on Infedtion of Cells by Equine Arteritis Virus", <i>J Vet Med Sci</i> , 59(8): 727-728, 1997 (Abstract)						
CL	RP	Krusat et al, "Heparin-Dependent Attachment of Respiratory Syncytial Virus (RSV) to Host Cells", <i>Arch Virol</i> , 142(6): 1247-1254, 1997 (Abstract)						
CM	RP	Alvarez-Dominguez et al, "Host Cell Heparian Sulfate Proteoglycans Mediate Attachment and Entry of <i>Listeria Monocytogenes</i> , and the Listerial Surface Protein ActA is Involved in Heparan Sulfate Receptor Recognition", <i>Infection & Immun</i> , 65(1): 78-88, 1997, (aBSTRACT)						
CN	RP	Hagwara et al, "Inhibitory Effect of Heparin on Red Blood Cell Invasion by <i>Theileria Sergenti</i> Merozoites", <i>Int J Parasitol</i> , 27(5): 535-539 (Abstract) 1997						
CO								
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EXAMINER

Rebecca Pouty

DATE CONSIDERED

7-21-99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)		Atty. Docket No. 910/4		Application No. 09/046,475			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant Oron Yacoby ZEEVI					
		Filing Date: March 25, 1998		Group Art Unit: 1652			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
DA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
DB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
DC	RP	Shakibaei et al, "Dual Interaction of the Malaria Circumsporozoite Protein with the Low Density Lipoprotein Receptor-Related Protein (LRP) and Heparan Sulfate Proteoglycans", <i>J Exp Med</i> , 184(5): 1699-1711, 1996 (Abstract)					
DD	RP	Inaba et al, "Effect of Heparinon Infection of Cells by Porcine Reproductive and Respiratory Syndrome Virus", <i>Am J Vet Res</i> , 58(5):488-491, 1997 (Abstract)					
DE	RP	Chen et al, "Dengue Virus Infectivity Depends on Envelope Protein Bin to Target Cell Heparan Sulfate", <i>Nature Medicine</i> , 3(8): 866-871, 1997					
DF	RP	Gantt et al, "Cell Adhesion to a Motif Shared by the Malaria Circumsporozoite Protein and Thrombospondin is Mediated by its Glycosaminoglycan-Binding Region and not by CSVTCG", <i>J Biol Chem</i> , 272(31): 19205-19213, 1997 (Abstract)					
DG	RP	Robert et al, "Chondroitin-4-Sulphaate (Proeoglycans), a receptor for Plasmodium Falciparum-Infected Erthrocyte Adherence on Brain Microvascular Endothelial Cells", <i>Res Immunol</i> , 146(6): 383-93, 1995. (Abstract)					
DH	RP	Herrera et al, "Mediation of <i>Trypanosoma Cruzi</i> Invasion by Heparan Sulfate Receptors on Host Cells and Penetrin Counter-Receptors on the Trypanosomes", <i>Mol & Biochem Parasit</i> , 65: 73-83, 1994					
DI							
DJ							
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EXAMINER		Rebecca Pouty		DATE CONSIDERED 7-21-99			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)

Atty. Docket No.
910/1Application No.
08/922,170INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Iris PECKER et alFiling Date:
September 2, 1997

Group A 1 US

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GROUP 1
1998
1652

U.S. PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE
AA	RP	5,362,641	Nov 94	Fuks et al	435 209	
AB	RP	5,571,506	Nov 96	Regan et al	424 78.17	
AC						

FOREIGN PATENT DOCUMENTS

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							YES	NO
AD	RP	WO 9504518	Jul 94	PCT	—	—		
AE								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AF	RP	Goshen et al, "Purification and Characterization of Placental Heparanase and its Expression by Cultured Cytotrophoblasts", <i>Molecular Human Reproduction</i> , 2(9): 679-684, 1996						
AG	RP	Bar-Ner et al, "Inhibition of Heparanase-Mediated Degradation of Extracellular Matrix Heparan Sulphate by Non-anticoagulant Heparin Species", <i>Blood</i> , 70(2): 551-557, 1987						
AH	RP	Savitsky et al, "Ataxia-Telangiectasia: Structural Diversity of Untranslated Sequences Suggests Complex Post-Transcriptional Regulation of ATM Gene Expression", <i>Nucleic Acids Research</i> , 25(9): 1678-1684 (1997)						
AI	RP	Haimovitz-Friedman et al, "Activation of Platelet Heparitinase by Tumor Cell Derived Factors", <i>Blood</i> , 78: 789-796, 1991						
AJ	RP	Gospodarowicz et al, "Stimulation of Corneal Endothelial Cell Proliferation <i>in vitro</i> by Fibroblast and Epidermal Growth Factors", <i>Exp. Eye Res.</i> , 25: 75-89, 1977						
AK	RP	Ernst et al, "Enzymatic degradation of Glycosaminoglycans", <i>Crit. Rev. In Biochem. & Molec. Biology</i> , 30(5): 387-444, 1995						
AL	RP	Zhong-Sheng et al, "Role of Heparan Sulfate Proteoglycans in the Binding and Uptake of Apolipoprotein E-enriched Remnant Lipoproteins by Cultured Cells", <i>J. Biol. Chem.</i> , 268(14): 10160-10167, 1993						
AM	RP	R. Ross, "The Pathogenesis of Atherosclerosis: A Perspective for the 1990s", <i>Nature</i> , 362: 801-809, (1993)						
AN	RP	1993 Putnak et al, "A Putative Cellular Receptor for Dengue Viruses", <i>Nature Medicine</i> , 3(8): 828-829, 1997						
AO	RP	Cordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", <i>Laboratory Investigation</i> , 63(6): 832-840, 1990						

EXAMINER

Rebecca Prouty

DATE CONSIDERED

7-21-98

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

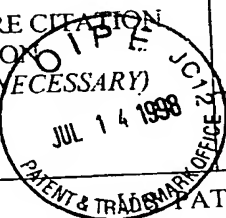
Form PTO-1449 (Modified)		Atty. Docket No. 910/1		Application No. 08/922 170			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Iris PECKER et al		REC FEB GROUP 1800 1652			
		Filing Date: September 2, 1997					
U.S. PATENT DOCUMENTS							
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BA							
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
BB							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BC	RP	Narindrasorasak et al, "High Affinity Interactions between the Alzheimer's β -Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", <i>J. Biol. Chem.</i> , 266(20): 12878-12883, 1991					
BD	RP	Chen et al, "Dengue Virus Infectivity Depends on Envelope Protein Bin to Target Cell Heparan Sulfate", <i>Nature Medicine</i> , 3(8): 866-871, 1997					
BE	RP	Shieh et al, "Cell Surface Receptors for Herpes Simplex Virus are Heparan Sulfate Proteoglycan Proteoglycans", <i>J. Cell Biol.</i> , 116(5): 1273-1281, 1992					
BF	RP	Eisenberg et al, "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surfaces and Extracellular Matrix", <i>J. Clin. Invest.</i> , 90: 2013-2021, 1992					
BG	RP	Rapraeger et al, "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", <i>Science</i> , 252: 1705-1708, 1991					
BH	RP	Lider et al, "A Disaccharide that Inhibits Tumor Necrosis Factor α is Formed from the Extracellular Matrix by the Enzyme Heparanase", <i>Proc. Natl. Acad. Sci. USA</i> , 92:5037-5041, 1995					
BI	RP	Lider et al, "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals with Low Doses of Heparins", <i>J. Clin. Invest.</i> , 83: 752-756, 1989					
BJ	RP	Gitay-Goren et al, "The Binding of Vascular Endothelial Growth Factor to its Receptors is Dependent on Cell Surface-associated Heparin-like Molecules", <i>J. Biol. Chem.</i> , 267(9): 6093-6098, 1992					
BK	RP	Ornitz et al, "FGF Binding and FGF Receptor Activation by Synthetic Heparin Derived Di- and Trisaccharides", <i>Science</i> , 268: 432-436, 1995.					
BL	RP	Spivak-Kroizman et al, "Heparin-Induced Oligomerization of FGF Molecules is Responsible for FGF Receptor Dimerization, Activation, and Cell Proliferation", <i>Cell</i> , 79: 1015-1024, 1994					
BM	RP	Yayon et al, "Cell Surface. Heparin-Like Molecules are required for Binding of Basic Fibroblast Growth Factor to its High Affinity Receptor", <i>Cell</i> , 64: 841-848, 1991					
BN							
EXAMINER		Rebecca Pouty		DATE CONSIDERED		7-21-18	
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)		Atty. Docket No. 910/1		Applicant Iris PECKER et al		Applicant No. 08/922, (70)	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Filing Date: September 2, 1997		Group / Unit: 16.52		RECEIVED FEB 9 1998 GROUP 1800	
U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
CC	RP	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasma Proteins". Basic Membranes: Cellular and Molecular Aspects (eds. Rohrbach & Timpl) pp 327-343, Academic Press, Orlando, Fla., 1993					
CD	RP	Vlodavsky et al, "Extracellular Sequestration and release of Fibroblast Growth Factor: A Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 268-271, 1991					
CE	RP	Ishai-Michaeli et al, "Heparanase Activity Expressed by Platelets, Neutrophils, and Lymphoma Cells releases Active Fibroblast Growth Factor from ExtraCellular Matrix", <i>Cell Regulation</i> , 1: 833-842, 1990					
CF	RP	Ishai-Michaeli et al, "Importance of Size and Sulfatation of Heparin in Release of Basic Fibroblast Growth Factor from the Vascular Endothelium and ExtraCellular Matrix", <i>Biochemistry</i> , 31(7): 2080-2088, 1992					
CG	RP	Folkman et al, "A Heparin-Binding Angiogenic Protein - Basic Fibroblast Growth Factor - is Stored Within Basement Membrane", <i>Am. J. Pathology</i> , 130(2): 393-400, 1988					
CH	RP	Vlodavsky et al, "Endothelial Cell-Derived Basic Fibroblast Growth Factor: Synthesis and Deposition into Subendothelial ExtraCellular Matrix", <i>Proc. Natl. Acad. Sci. USA</i> , 84: 2292-2296, 1987					
CI	RP	Folkman et al, "Angiogenic Factors", <i>Science</i> , 235: 442-447, 1987					
CJ	RP	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu. Rev. Biochem.</i> , 58:575-606, 1989					
CK	RP	Vlodavsky et al, "Involvement of the ExtraCellular Matrix, Heparin Sulfate Proteoglycans, and Heparin Sulfate Degrading Enzymes in Angiogenesis and Metastis", In: <i>Tumor Angiogenesis</i> , Eds. Lewis et al, Oxford Univ. Press, pp 125-140, 1997					
CL	RP	Parish et al, "Evidence that Sulfated Polysaccharides Inhibit Tumor Metastis by Blocking Tumor-Cell-Derived Heparanases", <i>Int. J. Cancer</i> , 40: 511-518, 1987					
CM	RP	Bashkin et al, "Basic Fibroblast Growth Factor Binds to Subendothelial ExtraCellular Matrix and is Released by Heparitanase and Heparin-Like Molecules", <i>Biochemistry</i> , 28:1737-1743, 1989					
CN							
EXAMINER		Rebecca Pouty			DATE CONSIDERED 7-21-98		
EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449 (Modified)		Atty. Docket No. 910/1		Applica ion No. 08/01170			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (USE SEVERAL SHEETS IF NECESSARY)		Applicant: Iris PECKER et al		RECEIVED FEB 9 1998 GROUP 1800			
		Filing Date: September 2, 1997		Group and Unit 16:2			
U.S. PATENT DOCUMENTS							
	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
DC	RP	Gospodarowicz et al, "Permissive effect of the ExtraCellular Matrix on Cell Proliferation <i>in vitro</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 77(7): 4094-4098, 1980					
DD	RP	Vlodavsky et al, "Morphological Appearance, Growth Behavior and Migratory Activity of Human Tumor Cells Maintained on ExtraCellular Matrix Versus Plastic", <i>Cell</i> , 19: 607-616, 1980					
DE	RP	Vlodavsky et al, "Involvement of Heparanase in Tumor Metastis and Angiogenesis", <i>Israel J. Med. Sci.</i> , 24: 464-470, 1988					
DF	RP	Vlodavsky et al, "Lymphoma Cell-mediated Degradation of Sulfated Proteoglycan in the Subendothelial ExtraCellular Matrix: Relationship to Tumor Cell Metastis", <i>Cancer Research</i> , 43: 2704-2711, 1983					
DG	RP	Liotta et al, "Tumor Invasion and the ExtraCellular Matrix", <i>Lab. Inv.</i> , 49(6): 636-649, 1983					
DH	RP	Nicolson, G.L., "Organ Specificity of Tumor Metastis: Role of Preferential Adhesion, invasion and growth of Malignant Cells at Specific Secondary Sites", <i>Cancer Met. Rev.</i> , 7: 143-188, 1988					
DI	RP	Nakajima et al, "Heparanases and Tumor Metastis", <i>J. Cell. Biochem.</i> , 36: 157-167, 1988					
DJ	RP	Vlodavsky et al, "Inhibition of Tumor Metastis Inhibiting Species of Heparin", <i>Inv. Metast.</i> , 14: 290-302, 1994					
	RP	Vlodavsky et al, "Expression of Heparanases by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Inv. Metast.</i> , 12: 112-127, 1992					
	RP	Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64: 867-869, 1991					
	RP	Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991					
	RP	Wight, T.N., "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9: 1-20, 1989					
	RP	Jackson, et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes", <i>Physiological Rev.</i> , 71(2): 481-539, 1991					
	RP	Wight et al, "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", <i>Curr. Opin. Cell Biol.</i> , 4: 793-801, 1992					
EXAMINER		Rebecca Ponty		DATE CONSIDERED		7-21-98	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.							

Atty Docket No.
910/5Application No.
09/071,739INFORMATION DISCLOSURE CITATION
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(USE SEVERAL SHEETS IF NECESSARY)Applicant:
Iris PECKER et alRECEIVED
JUL 15 1998Filing Date:
May 1, 1998

GROUP 1800



PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
AB								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	MD	Wight et al, "The Role of Proteoglycans in Cell Adhesion, migration and Proliferation", <i>Current Opinion in Cell Biology</i> , 1992, 4:793-801						
AD	MD	Jackson et al, "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes", <i>Physiological Reviews</i> , 71(2):481-539, 1991						
AE	MD	Wight, T.N., "Cell Biology of Arterial Proteoglycans", <i>Arteriosclerosis</i> , 9:1-20, 1989						
AF	MD	Kjellen et al, "Proteoglycans: Structures and Interactions", <i>Annu. Rev. Biochem.</i> , 60: 443-475, 1991						
AG	MD	Ruoslahti et al, "Proteoglycans as Modulators of Growth Factor Activities", <i>Cell</i> , 64:867-869, 1991						
AH	MD	Vlodavsky et al, "Extracellular Matrix-Bound Growth Factors, Enzymes and Plasma Protein", in <i>Basement Membranes: Cellular and Molecular Aspects</i> (eds. Rohrbach et al) pp 327-343, Academic Press Inc., Orlando, Fla.						
AI	MD	Vlodavsky et al, "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extravasation", <i>Invasion & Metastasis</i> , 12: 112-127, 1992						
AJ	MD	Vlodavsky et al, "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", <i>Invasion & Metastasis</i> , 14: 290-302, 1995						
AK	MD	Nakajima et al, "Heparanase and Tumor Metastasis", <i>J. Cell. Biochem.</i> , 36: 157-167, 1988						
AL	MD	Liotta et al, "Tumor Invasion and the Extracellular Matrix", <i>Lab. Invest.</i> , 49: 636-644, 1983						
AM	MD	Vlodavsky et al, "Lymphoma Cell Mediated Degradation of Sulfated Proteoglycans in the Subendothelial Extracellular Matrix: Relationship to Tumor Cell Metastasis", <i>Cancer Res.</i> , 43: 2704-2711, 1983						
AN	MD	Parish et al, "Evidence that Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor cell-Derived Heparanase", <i>Int. J. Cancer</i> , 40: 511-518, 1987						
AO	MD	Vlodavsky et al, "Morphological Appearance, Growth behavior and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix vs. Plastic", <i>Cell</i> , 19: 607-616, 1980						
AP								

EXAMINER

DATE CONSIDERED

7/12/97

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Mod fied)

Atty. Docket No.
910/5

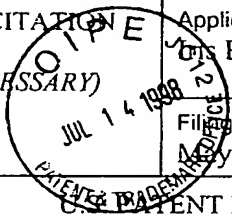
Application No.
09/071,739

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)

Applicant:
Dr. PECKER et al

Filing Date:
May 1, 1998

Group Art Unit:



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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
BA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
					YES NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	NO	Gospodarowicz et al, "Permissive Effect of the Extracellular Matrix on Cell Proliferation <i>in-vitro</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , 77:4094-4098, 1980
BD	NO	Burgess et al, "The Heparin-Binding (Fibroblast) Growth Factor Family of Proteins", <i>Annu. Rev. Biochem.</i> , 58: 575-606, 1989
BE	NO	Folkman et al, "Angiogenic Factors", <i>Science</i> , 235: 442-447, 1987
BF	NO	Vlodavsky et al, "Extracellular Sequestration and Release of Fibroblast Growth Factor: a Regulatory Mechanism?", <i>Trends Biochem. Sci.</i> , 16: 832-840, 1991
BG	NO	Ishai-Michaeli et al, "Heparanase Activity Expressed by Platelets, Neutrophils and Lymphoma Cells Releases Active Fibroblast Growth Factor from Extracellular Matrix", <i>Cell Reg.</i> , 1: 833-842, 1990
BH	NO	Campbell et al, "Heparin Sulphate-Degrading Enzymes Induce Modulation of Smooth Muscle Phenotype", <i>Exp. Cell Res.</i> , 200: 156-167 (1992)
BI	NO	Oosta et al, "Purification and Properties of Human Platelet Heparitinase", <i>J. Biol. Chem.</i> , 257: 11,249 - 11,255, 1982
BJ	NO	Hoogewerf et al, "CXC Chemokines Connective Tissue Activating peptide-III and neutrophil Activating peptide -2 are Heparin/Heparan Sulfate-Degrading Enzymes", <i>J. Biol. Chem.</i> , 270: 3268-3277, 1995
BK	NO	Gordon-Cardo et al, "Expression of Basic Fibroblast Growth Factor in Normal Human Tissue", <i>Lab. Invest.</i> , 63(6): 832-840, 1990
BL	NO	Freeman et al, "Human Platelet Heparanase: Purification, Characterization and Catalytic Activity", <i>Biochem. J.</i> , 330: 1341-1350, 1988
BM	NO	Goshen et al, Purification and Characterization of Placental Heparanase and its Expression by Cultured Cytotrophoblasts", <i>Mol. Human Reprod.</i> , 2: 679-684, 1996
BN	NO	Nakajima et al, Immunochemical Localization of Heparanase in Mouse and Human Melanomas", <i>Int. J. Cancer</i> , 45: 1088-1095, 1990
BO	NO	Mollinendo et al, "Major Colocalization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", <i>Biochem. J.</i> , 327: 917-923, 1997

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DATE CONSIDERED

7/13/99

AMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation

Form PTO-1449 (Modified)

Atty. Doc. et No.
910/5Application No.
09/071,739INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(USE SEVERAL SHEETS IF NECESSARY)Applicant
Tanna BEN ARTZI et al

JUL 15 1998

GROUP 1800

Filing Date:
May 1, 1998

Group Art Unit:

PATENT DOCUMENTS

	EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CM	MD	De Vouge et al, "Immunoselection of GRP94/Er doplasmin From a KNRK Cell-Specific λ gt11 Library Using Antibodies Directed Against a Putative Heparanase Amino-Terminal Peptide", <i>Int. J. Cancer</i> , 56: 286-294, 1994
CN	MD	Graham et al, "Comparison of the Heparanase Enzymes From Mouse Melanoma Cells, Mouse Microphages, and Human Platelets", <i>Biochem. And Mol. Biol. Int.</i> , 39(3): 563-571, 1996
CO	MD	Kosir et al, "Human Prostrate Carcinoma Cells Produce Extracellular Heparanase", <i>J. Surg. Res.</i> , 67: 98-105, 1997
CP	MD	Kosir et al, Abstract 3378, <i>Cancer Res.</i> , 37: 495 1996
CQ	MD	Ernst et al, "Enzymatic Degradation of Glycosaminoglycans", <i>Crit. Rev. In Biochem. And Mol. Biol.</i> , 30(5): 387-444 1995
	MD	Gospodarowicz et al, "Stimulation of Corneal Endothelial Cell Proliferation <i>in vitro</i> by Fibroblast and Epidermal Growth Factors", <i>Exp. Eye Res.</i> , 25: 15-89, 1977
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CR		

EXAMINER

Marianne Dizon

DATE CONSIDERED

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